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# Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

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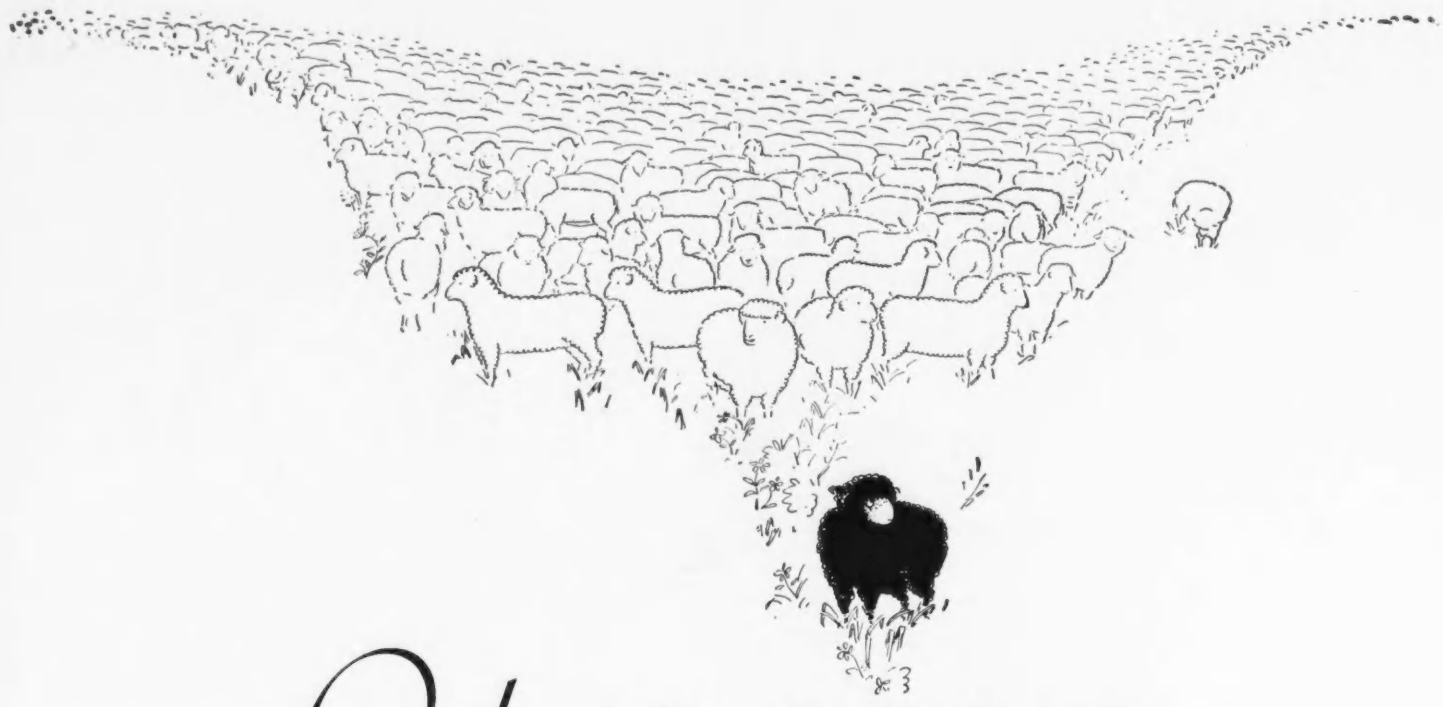

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# Oil, Paint and Drug Reporter

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Volume 137 June 3, 1940 Number 23

## Alcohol and Gasoline Taxes Increased In New Revenue Bill

*OPD Washington Bureau*
*May 31, 1940*

A new revenue bill increasing both income and excise taxes was introduced in the house yesterday by Representative Robert N. Doughton, of North Carolina, chairman of the committee on ways and means. The committee held brief hearings on the bill today, at which only Treasury Department officials appeared. The committee plans to hear no more witnesses and is meeting this afternoon to report out the bill.

Raising of additional taxes at this time was decided on by the committee in order to provide some of the additional funds being voted for national defense. The debt limit also would be raised $3,000,000,000 to permit the Treasury Department to borrow more funds. The proposed additional taxes are estimated to bring in about $700,000,000 a year for five years and are designed to amortize the increase in the Federal debt.

The new tax bill is expected to be enacted by both house and senate within a very short time without lengthy consideration or hearings.

In addition to imposing an additional surcharge of 10 percent of all 1941 individual and corporation income taxes and a similar increase in most existing excise taxes the bill proposes specific increases in a number of excise taxes. The Federal gasoline tax is to be increased by one-half cent to 1½ cents per gallon. The alcoholic beverage tax is to be increased by 75 cents to $3 per proof-gallon. The taxes on beer and cigarets also would be specifically increased.

*—Continued on page 30*

### *Sears-Roebuck Man To Do U.S. Buying*

*OPD Washington Bureau*
*May 29, 1940*

Secretary Morgenthau today announced the appointment of Donald M. Nelson, executive vice-president of Sears, Roebuck & Co., as Acting Director of Procurement, effective June 1.

Mr. Nelson, who is a member of the Business Advisory Council of the Department of Commerce and was assistant to the chairman of the National Industrial Recovery Administration, will replace Capt. Harry E. Collins, who has resigned to become manager of the export department of Bell Aircraft Corporation, Buffalo, N. Y.

## Synthetic Chemicals Output Up 38 Percent

*OPD Washington Bureau*
*May 29, 1940*

Sales of all synthetic organic chemicals in 1939 were valued at $381,917,000, not only exceeding by 38 percent those in 1938, a year of poor chemical sales, but also exceeding those in any preceding year, according to the United States Tariff Commission. The increase in coaltar chemicals was 41 percent, or from $130,462,000 in 1938 to $183,355,000 in 1939, and in noncoaltar synthetic organic chemicals 36 percent, or from $146,435,000 in 1938 to $198,562,000 in 1939.

This peak activity in synthetic organic chemicals in 1939 resulted from improved business conditions, a building up of inventories by both producers and consumers, and increased exports in the last quarter, particularly to countries whose imports of synthetic chemicals previously came chiefly from the European belligerents.

Production figures are considerably larger than those of sales since a large part of the total output of synthetic organic chemicals is consumed in further processing by the producing companies. The 1939 increases over 1938 in production for the more im-

*—Continued on page 33*

## M.T. Bogert Honored By Chemists' Club

Marston T. Bogert, head of the chemistry department of Columbia University, was the guest of honor at a dinner given by the Chemists' Club, this city, May 24. Dr. Bogert was presented with a scroll as a memento of his honorary membership. In addition to being a former president of the club, Dr. Bogert was one of the signers of its original articles of incorporation in 1898.

## State Tax Application In U.S. Areas Aimed

*OPD Washington Bureau*
*May 27, 1940*

A bill (H. R. 6687) relating to the application of State sales, use, and income taxes to transactions in Federal areas has been favorably reported by the senate committee on finance with amendments which completely displace the original bill. Under the bill as amended, State sales or use taxes, with a few exceptions, are to apply to transactions within federal areas in the same manner as they apply to transactions outside the areas but within the State. State income taxes are to be applied to the same extent to persons within Federal areas as they are levied on persons outside the areas. Taxes levied under the Federal highway act of 1936 shall continue to be levied under that act, rather than under this bill. The act permits State taxation of sales of gasoline and other motor-vehicle fuels sold in Federal areas for private purposes.

## Justice Dep't Wants Views On Administration Procedure

*OPD Washington Bureau*
*May 29, 1940*

The Department of Justice announced today that the Attorney General's Committee on Administrative Procedure has scheduled public hearings to be held in the United States district court house, Washington, June 26 to 28 and July 10 to 12. The purpose of the hearings is to permit persons and organizations to express views and opinions regarding the procedural problems of Federal administrative agencies.

Details concerning the hours and other matters connected with the hearings will be published in the Federal Register for June 20, and may be obtained from the director of the committee upon request. The committee has announced that, in addition to the public hearings, it will welcome comments and suggestions which may be submitted to it in writing.

The committee was appointed in the Fall of 1939 by the Attorney-General following the request of the President that a study be made into the "need for procedural reform in the field of administrative law." The committee was designated "to ascertain in a thorough and comprehensive manner" the extent to which criticism of the administrative procedure of Federal agencies were justified and "to suggest improvements if any are found advisable." The committee's staff has already prepared nineteen monographs on separate administrative tribunals in the Federal system.

**Committee Personnel**

The committee, known as the Attorney-General's Committee on Administrative Procedure, is under the chairmanship of Dean Acheson, of the District of Columbia Bar, formerly Under-Secretary of the Treasury. Its members are Francis Biddle, Solicitor General of the United States and formerly a member of the United States Circuit Court of Appeals for the Third Circuit; Ralph F. Fuches, professor of law at Washington University and a member of the American Bar Association's committee on administrative law; Lloyd K. Garrison, dean of the University of Wisconsin School of Law; D. Lawrence Groner, Chief Justice of the United States Court of Appeals for the District of Columbia; Henry M. Hart, jr., professor of law at Harvard University; Carl McFarland, of the District of Columbia Bar and formerly Assistant Attorney-General of the United States; James W. Morris, Associate Justice of the United States District Court for the District of Columbia; Harry Shulman, Sterling professor of law at Yale University; E. Blythe Stason, dean of the University of Michigan School of Law; and Arthur T. Vanderbilt, former president of the American Bar Association and present president of the American Judicature Society.

This committee, aided by a staff of Department of Justice lawyer-investi-

*—Continued on page 31*

## Agricultural Insecticide Price-Fixing Charged

An unlawful price-fixing conspiracy in the sale of chemicals, fertilizers, insecticides, fungicides, and related items is alleged in a complaint issued by the Federal Trade Commission against the Agricultural Insecticide and Fungicide Association, its officers, directors, and members, and against five cooperating corporations.

Among the products manufactured and distributed by the twenty-six respondent member companies and three of the five "cooperating corporations" are chemicals, fertilizers, various types of insecticides and fungicides, and related items. Two of the cooperating companies manufacture and distribute monohydrated copper sulphate and certain other copper by-products and specialties which are used in the manufacture of certain insecticides and fungicides.

It is alleged that on or about October 1, 1936, the respondent association and member and "cooperating" companies entered into an understanding, agreement, or conspiracy among themselves to restrain competition in the sale of their products by agreeing to fix and maintain uniform prices, terms, and discounts and to cooperate with each other in maintaining this program.

Pursuant to these arrangements, it is alleged, the respondent association acted as a clearing house for exchange of sales and price information submitted by members; association members held regular meetings at

*—Continued on page 28*

## Drug-Cosmetic Industry Minimum Wage Planned

*OPD Washington Bureau*
*May 29, 1940*

In an attempt to raise minimum wages in the drug, medicine, and toilet preparations industry above the statutory minimum of 30 cents an hour, the Wage and Hour Division of the Department of Labor has launched a survey of the prevailing wages in the industry and is preparing to appoint an industry committee to make recommendations.

Questionnaires will be mailed next week by the Bureau of Labor Statistics to some 3,000 manufacturers and upward, and 800 distributors of drugs, medicines, and toilet preparations, asking for the hours worked and the total earnings of each employee for the payroll period ending nearest to May 15, 1940. From the returns to this questionnaire the bureau will compile a report, not revealing individual data, which will be made available to the industry committee and to the wage-hour division.

**Nature of Committee**

The industry committee will be appointed in time to convene shortly after this report is ready for publication. Under the law it must give representation to geographical groups in the industry and must be composed of one-third employer representatives, of one-third labor representatives, and one-third public representatives, and will probably number twelve or fifteen. Appointments will be made by the Wage and Hour Administrator. The committee may or may not hold hearings, in its discretion. The recommendation by the committee will be made public and the administrator will schedule hearings on it. Following this the administrator may either approve or reject the recommendations, but he has no power to modify them.

Minimum wages may be fixed, on recommendation of the committee, between the present rate of 30 cents an hour and the rate of 40 cents an hour which the statute provides shall take effect in 1945. If less than 40 cents, the rate could be continued after 1945 on approval by the administrator. So

*—Continued on page 46*

## Hazardous Articles Containers Studied

*OPD Washington Bureau*
*May 27, 1940*

The Bureau of Service of the Interstate Commerce Commission contemplates early action on proposed modifications of the regulations for the transportation of explosives and other dangerous articles which cover the following items:—

Boxed carboys for acid sludge, sludge acid, spent sulphuric acid, or spent mixed acid.

5J single-trip containers for anilin oil.

Outside and inside paper bags for calcium arsenate, lead arsenate, other arsenical compounds, and arsenical mixtures.

Corrugated fiber boxes for matches.

Interested parties are requested to advise the commission in writing before June 12 of their desire to be heard in any of these matters.

## Closing Markets

### Cottonseed Oil Quiet

Refined cottonseed oil futures were quiet on Friday and price changes were narrow. July closed at 5.96c. and September 6.09c., these prices showing a small net advance for the week. The Federal Surplus Commodities Corporation announced that orders for 32,000,000 pounds of lard had been placed for relief distribution.

### Heavy Chemicals Quiet

Business in the market for industrial chemicals continued quiet at the weekend. Manufacturing consumers continued to apply the policy of purchasing for immediate requirements only. The Memorial Day holiday Thursday was also a factor in slowing demand. Sellers reported the market generally was steady to firm.

## Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

**British Indian Imports:** — British India has established an import license control over a wide range of products from non-Empire sources.

**Lubricating Oil:**—The Egyptian excise tax on imported or domestic lubricating oil has been increased from 500 to 1,000 milliemes per 100 kilos.

**Insecticides:**—French Oceania has increased the import duty on agricultural insecticides of non-French origin from 8 to 20 percent ad valorem.

**Oils and Fats:**—French Oceania has increased the import duty on linseed oil to 114 francs per 100 kilos; colors ground in oils, other than lampblack and petroleum black, 55 francs per 100 kilos; copra, 41 francs per 100 kilos; edible fats and similar substances, 430 francs per 100 kilos, and vegetable edible fats, 409 francs per 100 kilos.

**Olive Oil:**—Portugal prohibits the exportation of olive oil to foreign countries, except to Brazil and the Portuguese colonies.

**Pharmaceutical** specialties for distribution in Turkey are desired by a visitor now in the United States. Full details relative to this visitor are available to accredited American firms at the Department Bureau of Foreign and Domestic Commerce, Washington, by referring to visitor No. 1316.

**Pharmaceutical Specialties:**—French Oceanic imports of pharmaceutical specialties must bear a wrapper conspicuously showing the name and proportion of active substances, exclusive of chemical designations and formula, in the French, English or Latin language, and the name and address of the manufacturer in French or English.

**Quinine Tablets:**—Italy has authorized the Administration of State Monopolies to issue pure quinine sulphate pills for sale to the public. These pills will contain five centigrams of pure quinine and must be packed in aluminum tubes of fifty pills each.

**Rosin:** — Great Britain has prohibited the importation of rosin except under license.

**Saccharin:**—Italy has prohibited the importation of saccharin.

## Mexican Oil Industry Reorganized for Debt-Paying

*Mexico City, May 27, 1940*

A far-reaching reorganization of the government oil industry to effect economies designed to enable Mexico to pay just indemnities for the expropriation of foreign oil companies, was ordered by President Lazaro Cardenas today. Among the measures ordered were elimination of all unnecessary jobs; wage reductions for all employees earning more than 700 pesos (about $116) per month; elimination of all overtime work and wages and reduction of the number of temporary workers.

## Chemical Prices Teeter

Aside from a few important materials specially affected by world conditions, prices in the markets for heavy and fine chemicals were headed downward last week. Corn derivatives were on the up side largely for domestic reasons. Quicksilver was advanced again. Naval stores and ephedrine were notable among reductions.

Business was narrowed by the influence of the holiday and the monthend. Seasonal movements were normal. Exports continued to decline because of reduced buying power in available markets.

Prices were advanced on quicksilver, electrolytic copper, Straits tin, tetrachloride of tin, imported silicofluoride of soda, corn dextrin, tanner's corn sugar, corn syrup, cornstarch, silver, nitrate of silver, and fishmeal on the Pacific coast.

Prices were reduced on ephedrine and its salts, gum rosin, gum and steam-distilled wood turpentines, rosin oil, Argentine casein, flake white, imported dried blood, domestic and imported tankage, and nitrogenous fertilizer stuff in the East.

The REPORTER'S composite index number of prices for heavy and fine chemicals was not appreciably moved from 129.0 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 91.4, compared with 88.8 at this time last year and 88.9 in 1938.

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## F.D.A. Transfer Date Postponement Asked

*OPD Washington Bureau*
*May 29, 1940*

A proposal to make the transfer of the Food and Drug Administration to the Federal Security Agency effective June 30 instead of June 10 has been made in the senate by Senator James F. Byrnes of South Carolina, chairman of the Senate committee on reorganization.

The reorganization act provides that reorganization orders of the President shall become effective sixty days after transmittal to Congress unless Congress meanwhile disapproves. The Byrnes resolution would apply to all the provisions of Plan No. III submitted April 2, and Plan No. IV submitted April 11. The latter includes the F.D.A. transfer. Adoption of this resolution would mean that the transfer would take effect on the last day of the fiscal year, thereby simplifying accounting.

No change in policy or procedure is contemplated when the F.D.A. transfer takes effect. The Food and Drug Administration has always operated as an integral unit without much direction from the Secretary of Agriculture; the food, drug, and cosmetic law is quite specific in its provisions; and all employees of the administration, from the chief down, are under civil service. After the transfer all orders and notices must be signed by the Administrator or Assistant Administrator of the Federal Security Agency instead of the Secretary of Agriculture, but otherwise it is not expected that there will be any change in procedure. Because the Food and Drug Administration is transferred as a unit the FSA Administrator will have no power to delegate enforcement of the laws to any other unit of that agency. On some matters of policy it is possible that the administrator may not always follow F.D.A. recommendations—Secretaries of Agriculture have not always done so—but in general the operation of the administration should continue as in the past.

For the time being, and probably for some time to come, the Food and Drug Administration will continue to be housed in its present quarters in the Department of Agriculture building, and to be served by the Department of Agriculture telephone switchboard.

## Tankcars for Chemicals Authorized by I.C.C.

*OPD Washington Bureau*
*May 27, 1940*

The Interstate Commerce Commission has granted the American Car & Foundry Company authority to construct forty tankcars fabricated by fusion welding for experimental service in carrying caustic soda solution.

The commission also has given permission to the Association of American Railroads, on behalf of the Manufacturing Chemists' Association, to have 100 tankcar tanks of type 103A equipped with safety vents having frangible lead discs with breather holes 1/16 inch in diameter, for use in experimental service trials in transporting sulphuric acid. The regulations provide that safety vents must be at least 2 inches in diameter. The chemical association contended that smaller breather holes would provide fess danger of spraying railroad workmen with acid.

## Allied Purchasing Boards Warns Against Bogus Agents

Trade groups and industrial organizations in the United States have been warned by the allied purchasing commissions that unauthorized persons have been pretending to represent them. It was pointed out that authorized agents are supplied with credentials which they should produce. Manufacturers are requested to communicate with the Anglo-French Purchasing Board, 15 Broad street, this city, in case of doubt regarding authenticity of agents or credentials.

## A.P.I. Discusses Research Results

*Fort Worth, Tex., May 31, 1940*

Research developments tending to a more economical production of petroleum, together with the results of tests looking toward a recovery of a wider range of by-products, were discussed at the tenth mid-year meeting of the American Petroleum Institute, held in the Texas and Blackstone hotels, May 27-31.

Asserting that optimum spacing of wells can lower investments as much as 75 percent on some reservoirs, thereby reducing the cost of crude oil to consumers and freeing capital for exploration and development elsewhere, Park J. Jones, petroleum engineer, explained that in the Panhandle dolomite acreage a $600 per acre reduction in producing costs was made possible by 18-acre spacing of wells. He presented tables to show that the present worth of future earnings after operating cost, taxes, and amortization of wells representing $22,500 per well investment might be estimated at $1,230 per acre with 18-acre spacing, but would amount only to $630 per acre with 10-acre spacing.

Control of the displacement of oil by gas or water should be the most important consideration in locating and completing wells, it was said by T. V. Moore, of Humble Oil & Refining Company, Houston, Tex., who reviewed principles of oil-reservoir performance established during the past few years.

Bubbles formed on water not only are effective in eliminating about 95 percent of the acid mist in around 10 seconds flat, but comprise the most economical medium for doing the job yet devised, according to D. W. Bransky and F. F. Diwoky, of the Standard Oil Company of Indiana, Chicago, who explained it is no longer necessary to install and to operate expensive electrical equipment to dissipate the white clouds of acid mist which have been causing so much trouble by way of reducing visibility and increasing corrosion at petroleum refineries.

They said the bubbles are formed by adding to water a foam-and-bubble-forming agent known as "green acid," itself a sulphuric acid derivative formed as a refinery by-product in the sludge resulting from the fuming acid treatment of petroleum distillates. Concentrator stack gases are bubbled through a shallow layer of water, large areas of foam and bubbles are formed, and within 10 seconds about 95 percent of the acid mist is absorbed, it was explained.

Refiners of lubricating oils were told by L. M. Henderson, C. M. Ridgway, and W. B. Ross, of The Pure Oil Co., Chicago, that by proper handling and burning the special clays through which oils are filtered may be used many times without undue loss in

—*Continued on page 52*

## Oil Companies Ask Trust Decree Review

*OPD Washington Bureau*
*May 29, 1940*

Major petroleum companies convicted at Madison, Wis., of violating the antitrust laws through a plan to purchase distress gasoline from independent refineries today petitioned the Supreme Court of the United States for a reconsideration of the court's recent decision upholding the conviction and outlawing all concerted action which may have an effect on prices.

The petition declared that the decision abandons earlier supreme court holdings that competitive evils may be eliminated by trade cooperation, and that enforcement of the decision will mean dislocation of the oil industry which may prevent it from contributing properly to national defense.

Additional antitrust action against major oil companies is contemplated by the Department of Justice, according to officials of the antitrust division. In the light of the action of the supreme court in upholding the conviction of Midwestern companies at Madison, Wis., on charges of controlling prices, the department is of

—*Continued on page 29*

## *Sayers Confirmed as Mines Bureau Head*

*OPD Washington Bureau*
*May 29, 1940*

The senate has confirmed the nomination of Dr. Boyd R. Sayers to be Director of the Bureau of Mines.

The house has not yet approved a provision inserted by the senate in the Department of the Interior appropriation bill permitting Dr. Sayers to hold this position without losing his rank as a commissioned officer of the United States Public Health Service. Dr. Sayers, now serving as acting director, is understood to have stated that he will not accept full appointment unless he can retain his commissioned status, and special legislation is required for this purpose.

## Chemical Exports Declined in April

Exports of chemicals and related products from the United States in April totaled $19,350,500 compared with $21,119,000 in the preceding month and $14,858,500 in April last year, according to the Chemical Division of the Bureau of Foreign and Domestic Commerce. Imports in April totaled $12,266,000 compared with $15,900,000 during the preceding month and $19,000,000 in April last year.

Exports of all types of coaltar products were valued at $1,995,500 in April compared with $989,600 in April last year. Shipments of medicinals in April totaled $2,538,400 as against $1,809,400 in April last year. Exports of industrial chemicals amounted to

—*Continued on page 33*

## Phila. Drug Exchange To Golf June 12

The Philadelphia Drug Exchange will hold its annual outing June 12 at the Manufacturers Country Club, Oreland, Pa.

Golf will be the main feature, but other contests of skill and agility will be staged. The festivities will terminate with dinner, scheduled for 7 p.m., in connection with which there will be a variety of entertainment and the awarding of prizes.

The admission fee, including the dinner, will be $3. Golfers will pay another $1.50 as greens fee. Arrangements may be made to stay at the club over night.

R. G. Anderson, 1649 North Broad street, heads the committee on arrangements, reservations, and other particulars.

The Reading railroad has a station at Oreland. The club is located on route 731, and is reached by automobile from Philadelphia via Broad street, Cheltenham avenue, Ogontz avenue, route 152 to North Glenside, and route 731 to sign on right.

## Taylor Made President Of Chain Drug Ass'n

Horace Taylor, of the T. D. Taylor Company, Louisville, was elected president of the National Association of Chain Drug Stores, at its third annual meeting, held in the Greenbrier, May 23-25. He succeeds N. Shapiro, of Detroit. Justin Dart, of the Walgreen Company, Chicago, was re-elected vice-president, and Fred G. Griffiths, of the Pennsylvania Drug Company, was re-elected secretary and treasurer.

The three-day meeting was addressed by General Hugh S. Johnson; C. T. Winegar, personnel director for the Chrysler Motor Corporation; Frank Seidman, of Seidman & Seidman; L. J. McCarthy ,of *Hearst Magazines, Inc.*; A. C. Nielson, market analyst, and M. S. Rukeyser, of the International News Service.

In three resolutions, the association lauded its membership committee and convention committee and paid tribute to the memory of three members who had died during the year. The association numbers 56 active members and 300 associate members.

# Leather Chemists Discuss Research in Tanning Processes

A resume of the results of research in the tanning industry during 1939 was presented in a series of technical papers at the thirty-seventh annual meeting of the American Leather Chemists Association, held in the Hotel Sagamore, May 27-29.

A brief review of recent developments in the field of synthetic resins, with particular reference to the uses which have been made of them by the industry was given in a paper read by H. B. Walker, John H. Highberger and Herbert C. Stecker, both of the University of Cincinnati, in a paper on "The Chemical Action of Saturated Lime Solutions on Collagen", reported that in their work a quantitative study had been made of the formation of ammonia when purified collagen was treated with saturated lime solutions under various conditions.

The paper revealed that urea was formed in such lime liquors. The paper reported that the decomposition of arginine by alkali was known to yield urea, which in turn gave ammonia, and this destruction of arginine was suggested as a possible factor in the phenomenon.

A study embodying the purification of the beam house wastes was given in a paper by D. Moskey, of the University of Cincinnati. The paper advised that each of the wastes were individually analyzed both chemically and biochemically to determine the exact nature of each, with the effects of chemical coagulation on each of the wastes determined. Finally the wastes were mixed in proportion to their respective volumes and various methods of purification were studied. The principle aims were to reduce the biochemical oxygen demand and the suspended solids. Some of the chemical methods attempted used iron salts, alum, chlorine, ozone, carbon dioxide, pyrophosphates, and silicates.

The stream pollution committee reported that it was planning a survey of existing treatment plants so as to determine the better features of the various methods now employed.

A series of papers were presented on studies in chrome tanning. One paper discussed at some length the effect of acetates, formates and oxalates upon chrome tanning. It was shown that these anions in many cases actually aid the tannage. The effect of given quantities of oxalates was especially stressed. Another paper dealt with further effects of such anions as oxalates, formates, acetates, levulinates, etc., upon the characteristics of the chrome liquor and upon the characteristics of the leather produced. It brought out an interesting picture of the effect of anionic chromium upon tannage.

"A Program on the Development of Domestic Tanning Materials" was the title of a paper by Ralph W. Frey, senior chemist of the Industrial-Farm Products Research Division of Bureau of Agricultural Chemistry and Engineering, and Arthur F. Sievers, senior biochemist of the Division of Drug and Related Plants of the Bureau of Plant Industry of the Department of Agriculture. The paper informed that a cooperative program of research has been initiated recently by the

—*Continued on page 29*

## Strategic Materials Program Expanded

*OPD Washington Bureau*
*May 29, 1940*

A huge increase in the program of purchasing reserve stocks of strategic and critical materials for national defense is a part of the preparedness program now under consideration by Congress.

For the four-year $100,000,000 program of building up reserve stocks under legislation enacted last year, the Treasury Department appropriation bill for 1941, already enacted, carries $12,500,000, of which $3,000,000 may be spent during the remainder of this fiscal year. During May, President Roosevelt asked for two additional appropriations totaling $47,500,000, and these probably will be included in a supplemental appropriation bill for the Procurement Division of the Treasury Department.

Outside of this program of reserve stocks, pending army and navy appropriation bills carry additional funds to permit these agencies to purchase strategic materials for their own use or storage. The army bill carries $66,000,000 for a two-year program and authorizes contracts for an additional $66,000,000; the Navy bill carries $34,000,000 for a two-year program and an additional contract authorization of $34,000,000.

The senate banking and currency committee today reported a bill (S.4008) to authorize the Reconstruction Finance Corporation to loan up to $10,000,000 for the domestic development of strategic, critical, or other minerals. This committee is also considering another measure to permit loans to corporations for the acquisition and storage of foreign minerals and other materials essential for national defense. An embargo on the exportation of essential materials is proposed in the bill (H.R. 9850) authorizing increased defense expenditures and preparations, the language of which is broad enough to embargo the exportation of gasoline or almost any other commodity used by the military forces.

## M.C.A. States Practice For Hydrofluoric Acid

*OPD Washington Bureau*
*May 27, 1940*

A recommended practice for the safe handling and discharging of containers of hydrofluoric acid has been published by the Manufacturing Chemists Association as manual sheet H-1.

The association's manual calls attention to the extremely corrosive nature of hydrofluoric acid and urges the application of every precaution in its handling. The various types of containers used for this acid are described, and detailed instructions for the discharging of their contents are given. Particular stress is laid on the fact that pressure must not be used to remove the acid from a container and that the fumes, as well as the acid itself, are detrimentally irritating.

The manual is illustrated with diagrams of discharging devices, charts of pressures, and specimens of warning labels.

## Latin American Trade Treaties Cataloged

*OPD Washington Bureau*
*May 27, 1940*

The United States Tariff Commission has issued a Reference Manual of Latin American Commercial Treaties. The manual lists the bilateral commercial treaties and agreements negotiated by the twenty Latin American countries during their entire history. No such guide or reference manual to the commercial treaties of these countries has before been available.

Included in the manual are all types of bilateral instruments such as treaties, agreements, conventions, protocols, and exchange of notes, which affect tariff rates, trade restrictions, and customs regulations, as well as clearing, compensation, payments, and barter arrangements. The information pertaining to each agreement covers the date and the place of signing, ratification, effective date and duration, termination, citations of texts and other references, and remarks on substantive provisions such as most-favored-nation treatment, import quotas, and tariff concessions. The agreements of each country are listed chronologically.

Copies of the Manual may be obtained from the U. S. Tariff Commission, Washington, or from the commission's New York office, 712 Custom house.

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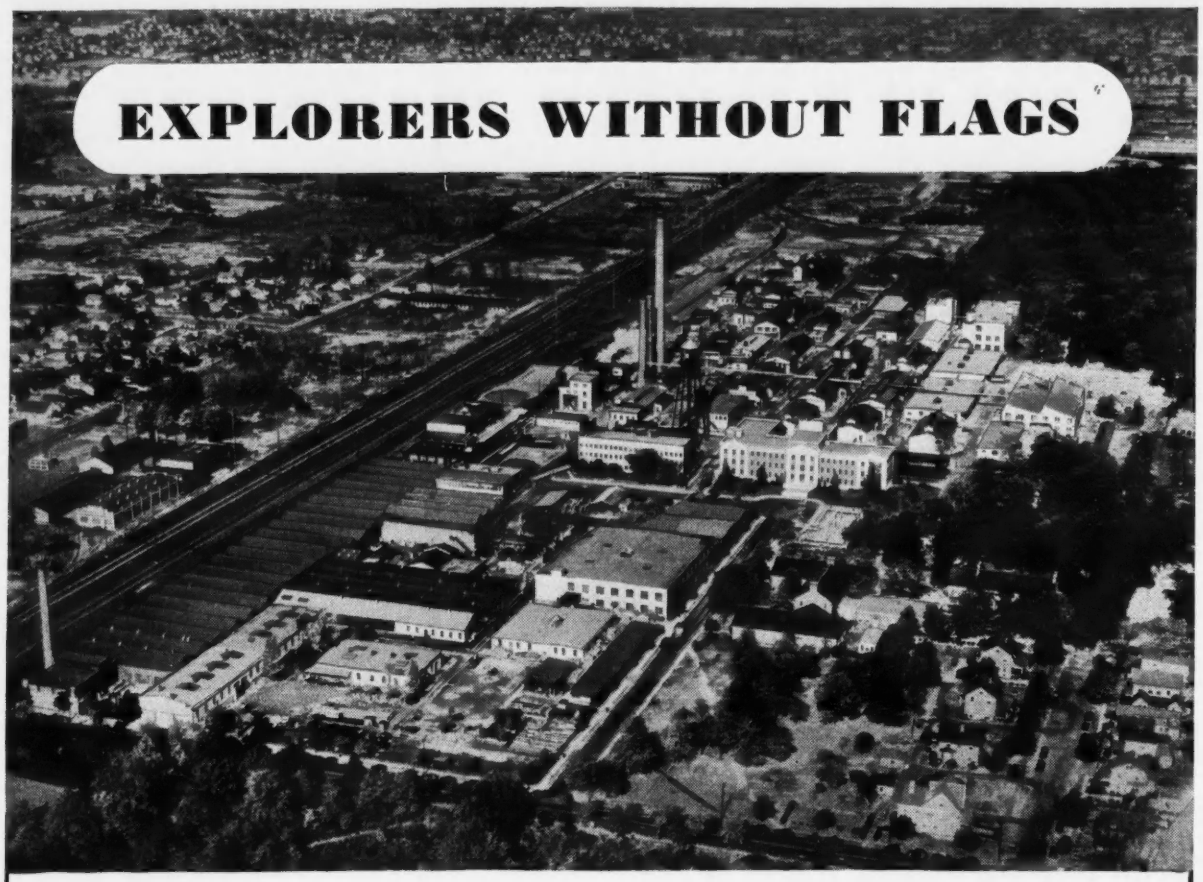
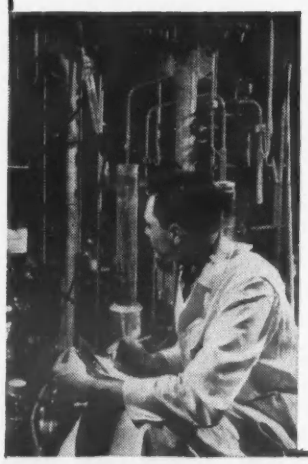


*Explorers of new lands may herald their exploits by the planting of flags. But explorers of modern chemistry must measure their achievements by the confidence won and kept in the professions and industries they serve.*



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# Current Market Quotations

## May 31, 1940

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**When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.**

RECEIVED JUN 3 1940 LIBRARY THE CHEMISTS' CLUB

## A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .53 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys., cs.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys., cs.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib, dms., works.....lb. .31 - —
Anthranilic, refd., bbls.. ...lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whe..ton.118.00 - —
bbls., c.l., frt. alld...ton.111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.000 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caproic, dms., works.....lb. .35 - .40
Carbolic ,(see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .08½- .09
tanks .....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms....gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis.....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis.....gal. .47 - .48
tanks, dlvd. East. U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd...lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys... lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dm.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
Acid, lactic, 80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .13½- .14
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .13¼- .13¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms, c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l. 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .17¾- .18¼
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45- —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump., powd., bbls..lb. 1.20 - —
cns, .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13½- .14½
Succinic, bbls.....lb. .75 - —



Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works...ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .55
USP, fluffy, bbls., 1,000-lb. lots..lb. .96 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .39¼- —
smaller quantities...lb. .39¾- —
kgs. .....lb. .40¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works...lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .36 - .38
Aconitine, amorph, bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1, bls.....lb. 1.50 - 1.55
3, bls.....lb. No prices
Agaric, white, bls.... .....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, l.c.l., dms., wks...lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per lb. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

## Alcohol—Black, Bone

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works.. gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., 33,000 lbs, works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.30 - 3.35
Polyvinel, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
Type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, ra. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .29 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .40 - .42
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .65 - .70
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .85 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, annyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03¼- —
bgs., c.l., works.....lb. .0260- —
Alumina, hydrate light, bgs., c.l., dlvd..lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12¾- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .18 - .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 -
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Amberxris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .28 - .34
Aldehyde ,dms., works.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04½- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on $NH_3$ content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher,
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls.....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.06 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.85 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .11½ Nom.
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton. 28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, cake. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0485- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.50 - 1.95
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .13½- .14
Cyprus, bgs.....lb. .15½- .16
Mexican, bgs.....lb. .13½- .14
Spanish, bgs.....lb. .27½- .28
Star, bgs.....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
50%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 3.60 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 3.60 - 4.75
Sulphate, bots.....oz. 4.00 - 4.75

## B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton. 47.00 -49.00
precip., bgs., c.l., works..ton. 52.50 -55.00
l.c.l., works.....ton. 57.50 -60.00
Barium carbonate, precip., bbls., c.l.,works..ton. 57.50 -60.00
l.c.l., works.....ton. 62.50 -65.00
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs. .....lb. .27 - —
Chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis. ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06¼- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10¼
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis..ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York.....ton. 31.50 - —
southern off color, bulk mines, ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.l.f.....ton. 11.00 - —
German, grd., bbls., c.l. dock, t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock..ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 Nom.
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .35 - .45
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works ton. 16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .96
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 2-oz. lb. bots..lb. 3.20 - 3.26
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns..lb. 1.57 - 1.88
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —

Black, bone, 3 bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
6, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
dlvd..lb. .06¾- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars., c.l., f.o.b. plants. lb. .02¼- —
f.o.b. New York harbor..lb. .0335- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y...lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y...lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.60 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .88 - —
open order.....lb. .87 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis. alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefiag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.63
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)

Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
phos., bgs., c.i.f. ports..ton.36.00 - —
Borax, tech., 99¼% gran., bulk, c.l., frt. all..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis..lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags., c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07 - —
11, bbls., same basis...lb. .06½- —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .06¾- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. .11¾- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03¼- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04¼- —
Chicago, Indianapolis, New Orleans..lb. .06 - —
Kansas City.....lb. .05½- —
Portland, San Francisco, Seattle..lb. .04½- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06¼- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .55 - .60
Buckthorn bark, true, bls.....lb. .35 - .36
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .15 - .16
Burgundy pitch, dom., dms.....lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks.. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld.....lb. .09½- —
contract prices 1c. per lb. less.
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms..lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.60 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .23½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —

# C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.32 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cans.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .28 - .30
bleached, bls.....lb. .90 - .95
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% $P_2O_5$, bgs., c.l.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0765- —
Resinate, precip., bbls., 1 ton. lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .50 - .55
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, pound, cs..lb. .85 - .86
slabs, cs.....lb. .85 - .86
tablets, tins.....lb. .90 - .91
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .0350-.0380
Morocco, bgs.....lb. .0350-.0380
Turkish, bgs.....lb. .0330-.0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.00 - 1.05
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .23 - .24
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm., (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l. frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —

## Black, Bone—China Clay

Carbon tetrachloride, Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.10 - 1.60
decorticated, cs.....lb. .82 - .84
green, bgs.....lb. .65 - .67
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .16 - .18
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .13 - .14
5 tons, works.....lb. .13½- .14½
smaller lots, works.....lb. .14 - .15
80-100 mesh, bgs., c.l.....lb. .13½- .14½
5 tons, works.....lb. .14 - .15
smaller lots, works.....lb. .14½- .15½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11½- .12½
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .13
French, 30 mesh, bgs., c.l., duty paid..lb. .15 Nom.
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .15 Nom.
Cassia, Batavia, No. 1, bls....lb. .16¾- .17¼
shortstick, bls.....lb. .12¼- .12¾
broken, bls.....lb. .11¼- .11½
China, rolls, select, bls.....lb. .09¾- .09¾
broken, extra, bls.....lb. .08¼- .08½
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .12 - .13
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.58.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.i.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .24 - .24½
Indian, bgs.....lb. .14 - .14½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .38 - .40
Roman, bls.....lb. 1.25 - 1.30
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
c.l., dlvd., Ill., (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 -16.00
bulk, c.l., works...ton. 7.60 - —
bgs., c.l., works.....ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50

## China Clay—Dyes

China clay, dom., wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works. ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.13
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs.....lb. .35 - —
smaller lots, bgs.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .70 - .75
USP, broken quill, red, bgs., lb. .25 - .26
yellow, bgs.....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz. ,to cover present war risk insurance, higher ocean fright rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms. lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18½- .19
3 bls.....lb. .16¼- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronella, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24½- .25
Madagascar, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .15¾- .16
Clover tops, red, bgs.....lb. .40 - .45
dom., bgs.....lb. .35 - .40
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., works.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .11¾- .12
Cocillana bark, bgs.....lb. .30 - .31
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .12 - .13
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .30 - .33
S.A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1610- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.. .....lb. .11⅜- .11½
Nitrate, cryst., bbls...lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l c.l. dealers.....100 lbs.10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0160 Nom.
Coriander seed, Morocco, bgs..lb. .04¾- .05¼
bleached, bgs.....lb. .07 - .07½
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.20 - —
slabs, bbls., c.l.....100 lbs. 3.21 - —
solid, bbls., c.l.....100 lbs. 3.33 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.32 - —
43°, bbls., c.l.....100 lbs. 3.37 - —
Cornsilk, bls.....lb. .11 - .12
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .32¼- —
smaller lots, bbls.....lb. .32¾- —
kgs.....lb. .33¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works..gal. .13¼- .14½
Coaltar, solution, tanks, works. gal. .122 - 132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Belto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .26
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .16¼- .16¾
Cyprus, bgs.....lb. .15¾- .16¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¼- —
Cyanamide, 22% $N_2$, pulv., bgs., dlvd., contracts, $N_2$ unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .40 - —

## D

Damiana leaves, bls.....lb. .25 - .26
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras common, dom., bbls...lb. .08½- .09½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Potato, import, bgs.....lb. .08 Nom.
Diacetone (see under Alcohol).
Diacetyl, nots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., cl., dvld....lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., cl., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l, works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Dietnylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .15 - .15½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .15 - .18
Hungarian, bls.....lb. .24 - .25
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Doggrass root, cut, bls.....lb. .18 - .19
Hungarian, bls.....lb. .24 - .25
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05

**Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—**

Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 8.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —

Dyes, coaltar (certified colors) for drugs and cosmetics.

Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.85 - —
D&C yellow, No. 11.....lb.10.35 - —

**Dyes, coaltar (certified colors) for external use drugs and cosmetics:—**

Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.85 - —
Ext.D&C, red, No. 8....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —

**Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—**

36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .59 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.60
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 4B..lb. 1.10 - 1.25
520 Direct pure blue....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. e. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

**Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).**

Black:—
865 Nigrosin derivatives..lb. .35 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

**Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—**

Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

**Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).**

Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene greeen B...lb. 1.56 - —
1078 Alizarin cyanin green, lb. 2.35 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Orange —

| | | | |
|---|---|---|---|
| 10 Chrysoidin G | lb. | .40 | — |
| 21 Chrysoidin R | lb. | .37 | — |
| 27 Orange G | lb. | .50 | — |
| 151 Orange Y | lb. | .30 | — |
| 161 Orange R | lb. | .34 | — |
| 31 Amidonaphthol red G | lb. | .42 | — |
| 37 Amidonaphthol red 6B | lb. | .68 | — |
| 79 Popceau R | lb. | .48 | — |
| 88 Fast red B | lb. | 1.05 | — |
| 176 Fast red A | lb. | .54 | — |
| 179 Azorubin | lb. | .60 | — |
| 183 Crocein scarlet 3BX | lb. | .72 | .76 |
| 185 Cochineal red A | lb. | .60 | — |
| 252 Brilliant crocein M | lb. | .68 | — |
| 677 Fuchsin | lb. | 2.10 | — |
| 749 Rhodamine B | lb. | 3.50 | — |
| 752 Rhodamine 6G | lb. | 4.50 | — |
| 768 Eosin G | lb. | 1.50 | — |
| 841 Safranin | lb. | 1.45 | — |

Violet:—

| | | | |
|---|---|---|---|
| 680 Methyl violet B | lb. | .75 | — |
| 681 Crystal violet C | lb. | 1.75 | — |
| 695 Acid violet 4BN | lb. | .88 | — |

Yellow:—

| | | | |
|---|---|---|---|
| 10 Naphthol yellow S | lb. | .88 | — |
| 138 Metanil yellow | lb. | .53 | — |
| 636 Fast light yellow | lb. | 1.25 | — |
| 639 Xylene light yellow | lb. | 1.15 | — |
| 640 Tartrazin | lb. | .80 | — |
| 655 Auramine | lb. | 1.27 | — |

Dyes, natural (see name of article).

## E

| | | | |
|---|---|---|---|
| Echinacea root, bls | lb. | .18 | .18 |
| Egg albumen (see Albumen). | | | |
| yolk, dom., bbls | lb. | .59 | .62 |
| imported | lb. | .51 | .53 |
| Elder flowers, bright, bls | lb. | .38 | .39 |
| Elecampane root, bls | lb. | .10 | .11 |
| Elm bark, grinding, bls | lb. | .11 | .12 |
| powd., bbls., bxs | lb. | .20 | .21 |
| select, bndls | lb. | .19 | .21 |
| Emetine hydrochloride, bots | oz. | 22.00 | 23.00 |
| Ephedra, bls | lb. | .12 | .13 |
| Ephedrine, tins, 1,000 ozs | oz. | 1.00 | — |
| tins, 100 ozs | oz. | 1.10 | — |
| Hydrochloride, tins, 1,000-oz. lots | oz. | .80 | — |
| tins, 100-oz. lots | oz. | .90 | — |
| Sulphate, cryst., tins, 1-000-oz. lots | oz. | .80 | — |
| tins, 100-oz. lots | oz. | .90 | — |
| Epsom salt, tech., bgs | 100 lbs. | 1.80 | — |
| bbls. | 100 lbs. | 1.90 | — |
| USP, cryst., dom., bgs., c.l., 100 lbs. | | 2.00 | — |
| l.c.l., 5,000 lbs., 1 with-drawal | 100 lbs. | 2.25 | — |
| smaller lots | 100 lbs. | 2.50 | — |
| bbls., c.l. | 100 lbs. | 2.10 | — |
| l.c.l., 5,000 lbs., 1 with-drawal | 100 lbs. | 2.35 | — |
| smaller lots | 100 lbs. | 2.60 | — |
| kgs., c.l. | 100 lbs. | 2.35 | — |
| l.c.l., 5,000 lbs., 1 with-drawal | 100 lbs. | 2.60 | — |
| smaller lots | 100 lbs. | 2.85 | — |
| dried, dom., bgs., l.c.l. | lb. | .08 | .09 |
| Ergot, USP, cns., dms | lb. | 3.75 | 3.80 |
| Eserine, bots | oz. | 42.00 | — |
| Salicylate, bots | oz. | 36.00 | — |
| Sulphate, bots | oz. | 36.00 | — |
| Ether, acetic (see Ethyl acetate) | | | |
| Butyl, l.c.l., dlvd | lb. | .25 | — |
| Ethyl (see Ether, sulphuric). | | | |
| Nitrous, conc., bots., 100 lbs., | lb. | .68 | — |
| Sulphuric, conc., dms., 120 lbs. | lb. | .09 | — |
| cns., 27 lbs | lb. | .14 | — |
| synth., dms., c.l., works | lb. | .08 | — |
| l.c.l., works | lb. | .09 | — |
| USP, anesthesia, dms., 27 lbs. | lb. | .26 | — |
| USP, 1880, dms | lb. | .39 | .40 |
| washed, dms | lb. | .37 | .38 |
| Ethyl acetate, 85-90%, dms., c.l., frt. alld. | lb. | .08 | — |
| l.c.l., frt. alld | lb. | .08½ | — |
| tanks, frt. alld | lb. | .07 | — |
| 95-98%, dms., c.l., frt. alld. | lb. | .08¼ | — |
| l.c.l., frt. alld | lb. | .08¾ | — |
| tanks, frt. alld | lb. | .07¼ | — |
| N.F., 460 lb. dms | lb. | .09½ | — |
| cns., 35 lbs | lb. | .14 | — |
| Acetoacetate, dms., c.l., wks. | lb. | .27½ | — |
| l.c.l., dms., works | lb. | .28 | — |
| Bromide, tech., dms | lb. | .50 | .55 |
| Caproate, cns | lb. | 1.00 | — |
| Chloride, dms | lb. | .18 | .20 |
| Cinnamate, cns | lb. | 3.20 | 4.00 |
| Crotonate, 55 gal. dms., dlvd., | lb. | .85 | — |
| Formate, cns., dms | lb. | .23 | .24 |
| 5 and 10 gal. dms., dlvd | lb. | .75 | — |
| 1 gal., cns | lb. | 1.00 | — |
| Iodide, bots | lb. | 3.50 | 3.60 |
| Lactate, 55-gal. dms., works, | lb. | .33½ | — |
| 5-gal. dms., works | lb. | .37½ | .39½ |
| Oxalate, dms., frt. alld | lb. | .25 | — |
| Silicate, l.c.l., dms., works | lb. | .77 | — |
| Vanillin, 25-lb. lots, cns | lb. | 6.00 | — |
| 5-lb. lots | lb. | 6.05 | — |
| 1-lb. lots, cns | lb. | 6.15 | — |
| Ethylcellulose, contracts, bgs., c.l., frt. alld. | lb. | .45 | — |
| contracts, 500 lbs. or more, frt. alld. | lb. | .47 | — |
| 500 lbs. or more, frt. alld. | lb. | .48 | — |
| 100 to 499 lbs., frt. alld. | lb. | .50 | — |
| smaller lots, works | lb. | .55 | — |
| Ethylene bromide, dms | lb. | .65 | .70 |
| Dichloride, dms., c.l., works, E. of Rockies, frt. alld. | lb. | .0595- | — |
| West of Rockies, same basis. | lb. | .0644- | — |
| l.c.l., works, E. of Rockies, frt. alld. | lb. | .0694- | — |
| West of Rockies, same basis. | lb. | .0743- | — |
| Ethyleneglycol, dms., c.l. | lb. | .14½ | — |
| l.c.l. | lb. | .15½ | .18½ |
| tanks | lb. | .13½ | — |
| Monobutylether, dms., c.l., works, | lb. | .16½ | — |
| l.c.l., works | lb. | .17½ | .20½ |
| tanks, works | lb. | .15½ | — |
| Monoethylether, dms., c.l. works, | lb. | .14½ | — |
| l.c.l., works | lb. | .15½ | .18½ |
| tanks, works | lb. | .13½ | — |
| Monoethylether, acetate, dms., c.l., works. | lb. | .11½ | — |
| l.c.l., dms | lb. | .12½ | .15½ |
| tanks, works | lb. | .10½ | — |
| Monomethylether, dms., c.l., works. | lb. | .15½ | — |
| l.c.l., works | lb. | .16½ | — |
| tanks, works | lb. | .14½ | — |
| Ethylidinanilin, dms | lb. | .45 | .47½ |
| Eucalyptol, cns., dms | lb. | .80 | .85 |
| Eucalyptus leaves, bls | lb. | .11 | .12 |
| Eugenol, cns., dms | lb. | 1.75 | 2.00 |
| Euphorbia, bls | lb. | .11 | .12 |

## F

| | | | |
|---|---|---|---|
| Feldspar, enamel, 100 mesh, bulk, works | ton. | 14.00 | 17.50 |
| l.c.l., minimum 2 tons | ton. | 17.00 | 20.50 |
| glass, 20 mesh, bulk, works | ton. | 9.75 | 13.25 |
| l.c.l., minimum 2 tons | ton. | 12.75 | 16.25 |
| pottery, bulk, Me., works | ton. | 17.00 | 19.00 |
| N. C., works | ton. | 17.00 | 19.00 |
| l.c.l., minimum 2 tons | ton. | 20.00 | 22.00 |
| Fennel seed, Indian, bgs | lb. | .13½ | .14 |
| French, bgs | lb. | No prices | |
| German, large, bgs | lb. | .33 | Nom. |
| Fenugreek seed, bgs | lb. | .04½ | .05 |
| Ferric, sulphate, anhyd., c.l., works | ton. | 35.00 | — |
| l.c.l. | ton. | 40.00 | — |
| Film scrap, colors, dark, cs., 1,000 lbs., or over, works | lb. | .13 | — |
| smaller lots, works | lb. | .14 | — |
| light, cs., 1.000 lbs. or over, works | lb. | .14 | — |
| smaller lots, works | lb. | .15 | — |
| water white, cs., 1.000 lbs. or over, works | lb. | .15 | — |
| smaller lots, works | lb. | .16 | — |
| Fir balsam, Canada, cns | gal. | 15.50 | 16.00 |
| Oregon, bbls | gal. | 1.10 | 1.15 |
| Fish berries, bgs | lb. | .15 | .17 |
| Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures | unit-ton. | 3.50 & | .10 |
| grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto | ton. | 58.00 | — |
| wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts | unit-ton. | 3.00 & | .50 |
| sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, May shipt | ton. | 56.00 | — |
| spot | ton. | 57.00 | — |
| Flake white, dom., bbls | lb. | .08¾ | — |
| kegs | lb. | .10¾ | — |
| Fleaseed, French, black, bgs | lb. | .18½ | .19 |
| Indian, blonde, bgs | lb. | .08½ | .09 |
| Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton | 32.60 | — | |
| washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines | net ton. | 21.00 | — |
| No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines | net ton. | 21.00 | — |
| imported, 85.5, duty paid, short ton. | | 25.00 | Nom. |
| Formaldehyde, bbls., c.l., works, | lb. | .0550- | — |
| l.c.l., works | lb. | .06 | — |
| dms., c.l., works | lb. | .0515- | — |
| l.c.l., works | lb. | .0565- | — |
| tanks, works | lb. | .04 | — |
| Fringetree bark, bls | lb. | .14 | .15 |
| Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines | ton. | 15.00 | — |
| import., bgs., c.l., ex dock | ton. | No prices | |
| l.c.l., ex whse | ton. | No prices | |
| Furfural, ref., dms., c.l., works, | lb. | .15 | — |
| l.c.l., works | lb. | .17½ | .25 |
| tech., dms., contracts, 150,000 lbs. | lb. | .10 | — |
| c.l., works | lb. | .12½ | — |
| l.c.l., works | lb. | .15 | .20 |
| tanks, works | lb. | .09 | — |
| Fusel oil, refd., dms., incl. dlvd., | lb. | .16 | .17½ |
| Fustic extract, cryst., bbls | lb. | .24 | .25 |
| liquid, bbls | lb. | .10½ | .14 |
| solid, dms | lb. | .19 | .21 |

## G

| | | | |
|---|---|---|---|
| G salt, bbls | lb. | .45 | — |
| Galangal root, bls | lb. | .11 | .12 |
| Gambier, common, cases | lb. | .07 | Nom. |
| plantation, cases | lb. | .10 | Nom. |
| Cubes, Singapore, cases | lb. | .09 | Nom. |
| extract, bbls | lb. | .09½ | .12 |
| Gasoline, at refinery:— | | | |
| Bayonne, US motor, below 65 octane, tanks | gal. | .06- | .06½ |
| 65 octane and above, tanks, | gal. | .06¾ | .07½ |
| California, 54-58, tanks | gal. | .05¾ | .07 |
| Gulf Coast, U. S. Motor, bulk, | gal. | .05¼ | — |
| 60-62, 390 e.p., bulk, export, | gal. | .05¼ | — |
| 63-67, 375 e.p., bulk, export, | gal. | .05½ | — |
| 70-72, 400 e.p., bulk, export, | gal. | .06 | — |
| Louisiana-Arkansas, US motor, 62 octane, tanks | gal. | .04 | .04¼ |
| 63-66 octane, tanks | gal. | .04¾ | .04½ |
| 67-69 octane, tanks | gal. | .04½ | .04¾ |
| 70-72 octane, tanks | gal. | .04¾ | .05 |
| Oklahoma-Texas, Us motor, 62 octane and below, tanks | gal. | .03½ | .04 |
| third grade, tanks | gal. | .03½ | .04 |
| 63-66 octane, tanks | gal. | .03¾ | .04 |
| 67-69 octane, tanks | gal. | .04 | .04¼ |
| 70-72 octane, tanks | gal. | .04½ | .04¾ |
| natural, 12-lb. v.p., tanks, | gal. | .01½ | .01¾ |
| 14-lb. v.p. tanks | gal. | .01¼ | .01½ |
| 18-lb. v.p., tanks | gal. | .01½ | .01¾ |
| 22-lb. v.p., tanks | gal. | .02 | — |
| 26-70-lb. v.p., tanks | gal. | .01¼ | .01½ |
| below 60 octane, tanks | gal. | .02 | — |
| 65 octane, tanks | gal. | .04 | — |
| 52-54 450 e.p., naphtha, tanks | gal. | .03 | — |
| | gal. | .01½ | .01¾ |
| 14-lb. v.p. tanks | gal. | .01¼ | .01½ |
| Gelatin, silver, cs | lb. | .42 | .43 |
| Gelsemium root, bls | lb. | .14 | .15 |
| Gentian root, bls | lb. | .14 | .15 |
| grd., bbls., bxs | lb. | .16 | .17 |
| powd., bbls., bxs | lb. | .17 | .18 |
| Geraniol, cns., dms | lb. | .60 | 3.00 |
| Ginger root, African, bgs | lb. | .07¼ | .07¾ |
| Cochin, lemon, bgs | lb. | .10 | .10½ |
| Jamaica, bold, bgs | lb. | .12¼ | .12¾ |
| medium, bgs | lb. | .09 | .09¼ |
| grinding, bright, bgs | lb. | .08¾ | .09 |
| Japanese, bgs | lb. | .08¾ | .09¼ |
| Ginseng root, wild Southern, cs., | lb. | 12.00 | 13.00 |
| Glauber's salt, anhyd. (see Soda Sulphate). | | | |
| cryst., dom., bgs., bbls., c.l., works | 100 lbs. | .95 | 1.15 |
| 5 tons or over, works | 100 lbs. | 1.05 | 1.25 |
| less than 5 tons, works, | 100 lbs. | 1.15 | 1.35 |
| import, bgs | 100 lbs. | No prices | |
| Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. | lb. | .13½ | — |
| l.c.l., dlvd. | lb. | .14 | — |
| 36/58, bgs., c.l., dlvd. | lb. | .13 | — |
| l.c.l., dlvd. | lb. | .13½ | — |
| 58/82, bgs., c.l., dlvd. | lb. | .14½ | — |
| l.c.l., dlvd. | lb. | .15 | — |
| 82/108, bgs., c.l., dlvd. | lb. | .15 | — |
| l.c.l., dlvd. | lb. | .15½ | — |


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TRADE MARK REG. U. S. PAT. OFF.

SOLVAY LIQUID CHLORINE

THREE Solvay Chlorine manufacturing centers—Syracuse, New York; Hopewell, Virginia and Baton Rouge, Louisiana—insure simplified shipments and handling and faster deliveries of high-quality Solvay Liquid Chlorine.

Exacting production methods have placed Solvay Liquid Chlorine in the fore as the standard of quality. It is always full strength . . . always pure when you receive it.

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You will find that Solvay's "Big 3" Plant Service will prove of definite benefit to your requirements. It is a service designed to fulfil your needs as an alkali and chlorine user. Your inquiries as to how Solvay Service can be made available to you are cordially invited.

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✓ CAUSTIC SODA
✓ MODIFIED SODAS
✓ SPECIAL ALKALIES
✓ HEAVY DUTY CLEANSERS
✓ NITRITE OF SODA
✓ CALCIUM CHLORIDE
✓ CAUSTIC POTASH
Liquid—Flake—Ground—Solid—Lump
✓ AMMONIUM CHLORIDE
✓ PARA-DICHLOROBENZENE
✓ ORTHO-DICHLOROBENZENE
✓ AMMONIUM BICARBONATE
✓ POTASSIUM CARBONATE
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47% 83-85% 98-100%

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STANDARD SINCE 1881

## Glue—Kerosene

Glue, hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., divd., East, Middlewest....lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/265, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ¼c. lb. higher; grinding charge, 20-40 mesh, ¼c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, divd..lb. .08¾- .09
soapiye, basis 80%, dms., tanks, returnable, divd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .13½- .14
Goldenseal, root, bls.....lb. 3.65 - 3.85
powd., bxs.....lb. 3.90 - 4.10
Grains of paradise, bgs.....lb. .88 - .89
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .03⅞ Nom.
White .....lb. .04¼ Nom.
Yellow .....lb. .03⅞ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dars, light, medium, blue content up to 5% bbls., divd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9 10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .08½- .09
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .12½- .13
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .20 - .21
Camphor (see C).
Chicle, prime, 13% moisture, bgs., ton lots..lb. .34 - .35
Gum, copal, Congo, l. water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ⅜c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅝- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅜- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06⅝- —
unscraped, bgs., c.l., same basis..lb. .05⅝- —
chips, bgs., c.l., same basis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
black, bold, scraped, bgs., c.l., same basis..lb. .09⅝- —
unscraped, bgs., c.l., same basis..lb. .06⅝- —
nubs and chips, bgs., c.l., same basis..lb. .06⅜- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13⅞- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14⅜- —
chips, bgs., c.l., same basis, lb. .08¾- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13¾- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., c.l., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis, lb. .09⅞- —
dust, bskts., c.l., same basis..lb. .06⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust., bskts., c.l., same basis..lb. .06⅞- —
spirit - soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis, lb. .12½- —
MA, bskts., c.l., same basis, lb. .09 - —
MB, bskts., c.l., same basis, lb. .08½- —
WS, bskts., c.l., same basis, lb. .12⅛- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09⅜- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11¼- —
extra pale sorts, bskts., c.l., same basis..lb. .12⅛- —
nubs, bskts., c.l., same basis ..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅜- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis, lb. .14½- —
split, bgs., c.l., same basis, lb. .13½- —
chips, bgs., c.l., same basis.lb. .08⅜- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis..lb. .15¾- —
A/D, cs., c.l., same basis..lb. .13⅞- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14⅝- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07⅝- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Gum, dammar, Singapore 1, cs., c.l., same basis..lb. .16⅞- —
2, cs., c.l., same basis....lb. .12¾- —
3, cs., c.l., same basis.....lb. .07⅛- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07⅛- —
seeds, cs., c.l., same basis.lb. .09⅞- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., divd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
Western, N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07
divd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .16 - .17
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .35 - .36
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs.....lb. 2.55 - 2.60
3, cs.....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

## H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .19 - .20
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works .....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bls.....lb. .50 - .60
Henna leaves, bls.....lb. .13 - .14
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C...lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .08½- .10
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, 5 gr., bots....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

## I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16¼- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.06 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd.....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
Chloride, solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns. .....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .95
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, ens...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

## J

Jarborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .33 - .38
powd., bbls., bxs.....lb. .36 - .41
resin, lump, 100 lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .13 - .15

## K

Kamala, tins.....lb. .35 - .36
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0590- .06½
Gulf ports, p.w., bulk....gal. .07⅜- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04½
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .04⅝- .05
46 w.w., tanks.....gal. .05 - .05⅛
47 w.w., tanks.....gal. .05⅛- .06⅛
Kerosene tankwagon:—
Atlanta .....gal. .10 - —
Boston .....gal. .08½- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .12 - —
Denver .....gal. .10½- —
Louisville .....gal. .09 - —
Minneapolis .....gal. .10¼- —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —

Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

# L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.50 - 5.60
Middlewestern, trcs...100 lbs. 5.65 - 5.75
Neutral, trcs.....100 lbs. 6.75 - 7.00
Western, choice, trcs..100 lbs. 5.75 - 5.85
Compound, trcs.....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .07½ Nom.
Turkish, bls.....lb. .07½- .08
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¼- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs., c.l.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 95 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., divd. E.....lb. .06½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots..lb. 2.66 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less $Pb_3O_4$, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
other points.....lb. .0740- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
98%, $Pb_3O_4$, bbls., c.l. (20 tons), divd., Ala., etc..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¾- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10¾- —
White, dry, basic, carbonate, bbls., c.l., divd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., divd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., divd., Ariz., etc. lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis. lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
Lecithin, tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
2 or 3, dms., c.l., same basis. lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select, bdls., cs.....lb. .26 - .28
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis. lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, divd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10¼- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.24.00 -24.50
meal, 34%, bgs.....ton.27.50 - —
Litharge, com'l, powd., bbls., 20-tons, divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Other points.....lb. .9640- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, divd., Ala...lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Litnopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)...lb. .0300- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .45 - .50
imports, bls.....lb. .45 - .60
Lupulin, N. E.. tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

# M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs.....lb. .30 - .32
Siauw, cs.....lb. .40 - .41
West Indian, cs.....lb. .17½- .18
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
U.S.P., Zone 1, c.l., bgs..lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments ,full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including divd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, anhyd., dom., bbls., divd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton.58.00 -62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .55 - .60
blue, bls.....lb. .55 - .60
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works.....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works.....ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., divd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .80 - .85
small, cs.....lb. .68 - .70
Mannitol, com'l grade, 98% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works.....lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —

## Kerosene—Methyl Acetone

Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .26 - .26½
Tunisan, bls.....lb. .20 Nom.
Chilean, bls.....lb. .17½- .18
Matico leaves, bls.....lb. .28 - .29
Menthol, USP, natural, cs.....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.62 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib., dms., 50 lbs. or more..lb. 3.13 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., divd.....lb. .16 - —
l.c.l., divd.....lb. .16½- —
tanks, divd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5½ in.....pkg.22.50 -23.00
3⅜x5½ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.30 - —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.
natural, producer group B, pure, tanks, frt. alld. Zone 1, gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35¼- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1...gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore., Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex, Ore., Utah, Wash.
Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or divd..gal. .38 - —
2, frt. alld. or divd..gal. .40½- —
3, divd., S. F. and L. A., gal. .42 - —
4, frt. alld. or divd..gal. .53½- —
tanks, Zone 1, frt. ald...gal. .30 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —
2, frt. alld.....gal. .32 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., divd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, divd., E. of Miss. R. lb. .09¼- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., divd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., divd., E.of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, divd. E. of Miss R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —
Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Methyl, acetone, natural, producer group B, tanks, Zone 1.....gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .49 - —
Zone 4.....gal. .63½- —

## Methyl Acetone—Oil, Paraffin

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .48 - —
l.c.l., E. of Rockies...gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - ..
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .89 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt., alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works..gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l. works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.60 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .02¾- .03¼
early fortune, bgs.....lb. .02½- .03
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Me. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .26 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns, 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grained, bots..oz.16.00 -17.00
pods, caddies, 20 ozs.....oz.12.50 -13.50
synth, ambrette, cns., 100 lbs., or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, bgs..lb. .09¼- .09¾
yellow, bgs.....lb. .11¼- .11¾
Danish, yellow, bgs.....lb. .17 - .17½
Dutch yellow, bgs.....lb. .15¼- .15¾
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .12 - .12½
Turkish yellow, bgs.....lb. .17½- .18
Myrobalans, J1, bgs., f.a.s...ton.30.00 - —
J2, bgs., f.a.s.....ton.26.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

# N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bbls., l.c.l., works..100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
import, bgs., c.i.f.....100 lbs. No Price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis..lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 80-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.40 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .32
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .21 - .22
110s, bgs., cs.....lb. .19 - .20
West Indian, bgs.....lb. .11¾- .12½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

# O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
lc.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l. works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .68 - .70
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06 Nom.
Bay, W. I., 30-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 6.75 - 7.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns.....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .60 - .67
USP. IX, cns.....lb. .62 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .33 - .35
dms. .....lb. .30 - .32
white, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Canangа, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 4.25 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. .....lb. .15½- —
cold pressed, USP, bbls., c.l., lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. .....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
dehydrated, dms., c.l.....lb. .1660- .1685
l.c.l. .....lb. .1710- .1750
tanks .....lb. .15½- .16
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l. .....lb. .13½- —
dms. (returnable), c.l.....lb. .12½ Nom
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .087 - —
l.c.l. .....lb. .097 - —
75% (63% fat) dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12¼- —
80% (68% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —

Castor oil, USP, and No. 3, prices are divd all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery, bots.....lb. 9.00 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .22½- .26½
tanks .....lb. .21½- .25½
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .37 - .38
Clove, makers, USP, cns....lb. 1.30 - 1.35
dms .....lb. 1.25 - 1.30
Coconut, Manila, crude, tanks, lb. .03 - —
edible, 76°, dms. (returnable), c.l..lb. .07½- —
l.c.l. .....lb. .08½- —
tanks .....lb. .07 - —
Cod, Norwegian, shipt., bbls.gal. No prices
Codliver, med., USP, bbls..bbl.60.00 Nom.
Coriander, bots.....lb.13.00 -15.00
Corn, crude, tanks, wks.....lb. .05¾- .06
refd., bbls.....lb. .08½- .08¾
Cottonseed, cooking, bbls....lb. .08¾- —
salad, bbls.....lb. .09 - —
import, Brazilian, semi-refd., bulk..lb. No prices
Creosote (see C).
Croton, N.F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.95 - 2.20
California, 24 plus, bulk..bbl. 1.85 - —
Dill seed, bots.....lb. 5.00 Nom.
weed, bots.....lb. 4.00 - 5.00
Dip (see L).
Erigeron, cns.....lb. 2.15 - 2.20
Eucalyptus, cns.....lb. .69 - .72
dms. .....lb. .66 - .69
Fennel, sweet, cns.....lb. 1.90 - 2.00
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y and N. J. terminals:—
Monday .....bbl. 1.35 - —
Tuesday .....bbl. 1.35 - —
Wednesday .....bbl. 1.35 - —
Thursday .....bbl. 1.35 - —
Friday .....bbl. 1.35 - —
Saturday .....bbl. 1.35 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 36-40.....gal. .03⅞- .04
Furnace, Bayonne, 1, bulk, refinery..gal. .0580- .06¾
2, bulk, same basis.....gal. .0540- .0560
4, bulk, same basis.....gal. .0540- .0560
Louisiana - Arkansas, 23-36, light straw..gal. .03¼- .03⅝
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅜- .03½
36-38 .....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .0540-.0560
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅝- .02⅞
Oklahoma, bulk.....gal. .02½- .02⅝
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.75 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.55 - 1.60
Oil, grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.50 - 4.75
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imported, bots..gross. No prices
Hemlock, cns.....lb. .65 - .70
Juniper berry, USP, cns.....lb. 2.80 - 3.25
wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, cns....lb. .55 - .60
Lard, common, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07¾- —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08¼- —
winter, strained, bbls....lb. .08½- —
prime, burning, bbls.....lb. .09¼- —
prime, ined., bbls.....lb. .08¾- —
Laurel, bots.....lb. 4.50 4.60
Lavandin, cns., 25 lbs.....lb. 3.10 - 3.25
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 3.50 - 4.50
35-38% ester, cns.....lb. 3.00 - 3.05
30-32% ester, cns.....lb. 2.75 - 2.80
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.20 - 1.85
dms. .....lb. 1.15 - 1.70
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.85 - 4.50
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .85 - .90
Lime, dist., cns.....lb. 3.75 - 4.25
expressed, cns.....lb. 4.50 - 4.75
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.30 - 1.35
Linseed, raw, dms., c.l.... ..lb. .1020- .1040
l.c.l., 10 to 69..... ..lb. .1060- .1080
5 to 9..... ..lb. .1080- —
less than 5..... ..lb. .1100- —
tanks .....lb. .0960- .0980
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks..gal. .21 - —
15-25 pour, tanks..gal. .22 - —
150-160 D. color 4½, 0-10 pour, tanks..gal. .22 - —
15-25 pour, tanks..gal. .19 - —
150-160 D. color 5½, 15-25 pour, tanks..gal. .20 - —
190-200 D. color 4½ 15-25 pour, tanks..gal. .16½- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .10½- —
180 vis., 5 color, tanks, gal. .13 - —
4 color, tanks.....gal. .13 - —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks.....gal. .14 - —
250 vis., 5 color, tanks, gal. .15 - —
4 color, tanks.....gal. .15 - —
280 vis., 3 color, tanks, gal. .17 - —
4 color, tanks.....gal. .15½- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .33
25 pour, tanks..gal. .30 - .35
cylinder, 600 fire, tanks.gal. .17 - —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .23 - —
635 fire, tanks.....gal. .19 - —
650 fire, tanks.....gal. .20 - —
Warren, E. amber, tanks, gal. .23 - —
Warren, E. neutral, 150 vis., 3 color, tanks..gal. .25 - .27
180 vis., 3 color, tanks.gal. .27 - .29
200 vis., 2 color, tanks.gal. .27 - .32
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .26 - —
Penna., 630 flash, bbls., c.l., f.a.s..gal. .28 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - —
Mace, dist., cns., dms.....lb. 2.40 - 2.50
Mandarin, superior, coppers..lb. 5.25 - 5.45
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms.....lb. .0790- —
tanks .....lb. .0670- —
blown, dms.....lb. .0810- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks .....lb. .0670- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .16¾- —
extra, bbls.....lb. .08¼- —
1, bbls.....lb. .08 - —
prime, bbls.....lb. .08½- —
pure, bbls.....lb. .12¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.100.00 -150.00
Nutmeg, USP, cns., dms....lb. 2.40 - 2.50
Oleo, 1, bbls.....lb. .07½- —
2, bbls.....lb. .07¼- —
Oiticica, dms.....lb. .17 - .18
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 1.25 Nom.
edible, dms.....gal. 2.00 - 2.10
foots, dms.....lb. .08¾ Nom.
sulphonated, 50% (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns.....lb. 1.60 - —
Florida, cns.....lb. 1.15 - 1.20
Messina, USP, coppers....lb. 3.80 - 5.00
West Indies, cns.....lb. 2.00 - 2.10
terpeneless .....lb.42.00 -50.00
Origanum, cns.....lb. 1.80 - —
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms.....lb. .04½- —
shipment .....lb. .03¾- —
softs, 12½%, bulk, shipt....lb. .02½- —
Sumatra, shipt., bulk.....lb. .02¼- —
Palmarosa, cns.....lb. 2.25 - 2.50
Palmkernel, bulk, shipt.....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —

Oil, Patchouli, bots., cns.....lb. 7.50 - 8.00
Peanut, crude, dom., tanks..lb. .05⅞ Nom.
refd., edible, bbls.....lb. .08⅞- .09¼
**Pennyroyal, dom., cns.....lb. 3.00 Nom.**
**import, cns.....lb. 2.25 - 2.50**
**Peppermint, natural, cns., dms., lb. 2.70 - 2.95**
**redist., USP, cns., dms....lb. 2.95 - 3.20**
Perilla, dms.....lb. No prices
tanks .....lb. No prices
**Petitgrain, Paraguay, cns....lb. 1.55 - 1.60**
**Pimento berry, cns.....lb. 4.35 - 7.25**
**leaf, cns.....lb. 2.40 - 2.50**
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
**steam-dist., dms.....gal. .59 - —**
**tanks .....gal. .54 - —**
Pineneedle, Siberian, cns....lb. 1.35 - 1.40
**Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —**
**contracts .....gal. .19½- —**
**Whiting, Ind.....gal. .23 - —**
**dms., c.l., Bost., Provid..gal. .25 - —**
**l.c.l., same basis.....gal. .27 - —**
**tanks, same basis.....gal. .18 - —**
**Martinez, Cal.....gal. .28 - —**
Rapeseed, blown, bbls.....lb. .17½ Nom.
denat., bbls.....gal. 1.10 - 1.15
**Red, dist. or saponif., dms., dlvd..lb. .07½- .08½**
**tanks, dlvd.....lb. .07 - —**
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.25 -22.50
**Rosemary, Spanish, cns.....lb. .67 - .68**
**dms. .....lb. .62 - .63**
Rosin, 1st rectfd., dms.....gal. .47 - —
2d rectfd., dms.....gal. .49 - —
3d rectfd., dms.....gal. .53 - —
**Rue, bots.....lb. 3.00 - 3.25**
**Sage, cns.....lb. 2.00 - 3.00**
**Sandalwood, E. I., USP, cns.lb. 5.25 - 5.50**
**Mysore, cns., case lots....lb. 5.50 - 5.75**
**Sardine, crude, tanks, Pac. Cst. gal. .45 Nom.**
**refd., alkali, dms.....lb. .0790- —**
**tanks .....lb. .0730- —**
**kettle-bodied, dms.....lb. .0910- —**
**light-pressed, dms.....lb. .0730- —**
**tanks .....lb. .0670- —**
**Sassafras, artif., cns.....lb. .73 - .74**
**dms. .....lb. .70 - .71**
**natural, cns., dms.....lb. 1.15 - 1.20**
**Savin, cns.....lb. 2.20 - 2.25**
**Savory, cns.....lb. 3.50 - 3.75**
**Sesame, refd., dom., dms....lb. .16 Nom.**
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
**Snakeroot, Canada, cns.....lb. 9.50 -10.00**
Soybean, dom., crude, dms...lb. .06⅝- .07⅛
tanks .....lb. .05⅞- —
refd., dms.....lb. .07⅛- .07⅝
tanks .....lb. .06⅞- .07
Spearmint, dms.....lb. 2.25 - 2.30
Sperm, bleach, 38°, dms.....lb. .1080- —
45°, dms.....lb. .1010- —
natural, dms.....lb. .0960- —
**Spruce, cns., dms.....lb. .65 - .70**
**Sweet, birch, North, cns....lb. 2.25 - 2.65**
South, cns.....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 -
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .06¾
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .08 - —
tanks .....lb. .07½- —
**Tansy, cns.....lb. 6.15 - 6.25**
Tar, pine, com'l, dmc., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd., E. ports..gal. .55 - —
**Tar acid (see T).**
Teaseed, crude, dms.....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. .80 - 1.75
white, dms.....lb. .95 - 1.95
**Tung (see Oil, chinawood).**
**Ti tree, cns.....lb. 2.30 - 2.80**
Turkey red (see castor, sulphonated).
**Turpentine (see T).**
**Turtle, cns.....gal. 6.00 - —**
**Valerian, bots.....lb. 8.00 - 9.00**
**Vetiver, bots.....lb. 8.50 -15.00**
**Whale, ref., natural, dms..lb. .0910- —**
**winter, bleach, dms.....lb. .0950- —**
**Wheat germ, cns., dms....gal.17.50 -25.00**
White, mineral, dom., dms., tech., 50-60 vis., dms.gal. .33 - .34
65-75 vis., dms.....gal. .40 - .42
80-90 vis., dms.....gal. .41 - .47
USP, 80-90 vis., dms....gal. .44½- .50
95-105 vis., dms.....gal. .57 - .58
125-135 vis., dms.....gal. .64½- .65¼
140-150 vis., dms.....gal. .67 - .68
175-185 vis., dms.....gal. .72½- .73½
200-210 vis., dms.....gal. .74½- .75½
320-330 vis., dms.....gal. .78 - .81
335-345 vis., dms.....gal. .81 - .82
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
**Wormseed, cns.....lb. 4.50 - 4.55**
**Wormwood, cns.....lb. 5.40 - 5.85**
**Ylang-ylang, Bourb., bots., cns. lb. 2.50 - 3.00**
Manila, bots.....lb.18.00 -22.00
**Olivine, aggregate, c.l., mines, ton. 7.00 -11.00**
**Lumps, same basis.....ton. 7.00 - —**
**Spalls, same basis.....ton. 5.00 - —**
**ground, 325 mesh, c.l., mines, ton.20.00 - —**
**200 mesh, c.l., mines....ton.17.00 - —**
**100 mesh, c.l., mines....ton.15.00 - —**
**20 mesh to dust.....ton.12.00 - —**
**Opium USP, cns.....lb.11.50 -12.50**
**gran., cns.....lb.12.50 -13.50**
**powd., cns.....lb.12.50 -13.50**
**Orange Lake, Persian, bbls....lb. .80 - .45**
**Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10¾- —**
**Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —**
**Colo., Mont., N. M., Wyo..lb. .11 - —**
**Other points.....lb. .10½- —**
**Smaller lots, dlvd., Ala., etc. lb. .11¼- —**
**Ariz., etc.....lb. .11¾- —**
**Colo., Mont., N. M., Colo., Mont., N. M., Wyo..lb. .11½- —**
**Other points.....lb. .11 - —**
French, Tours, casks, ex dock..lb. .13¼- —
**kgs., ex dock.....lb. .14½- —**
**Molybdate, bbls.....lb. .31 - —**
**Toner, bbls.....lb. .80 - —**

## Oil, Patchouli—Petrolatum

**Orangeflower petals, cs.....lb. .50 - .65**
**Orange peel, bitter, bls.....lb. .09 - .10**
**sweet, bls.....lb. .11 - .11½**
Orris root, Florentine, bgs.....lb. .22 - .23
fingers, cs.....lb. 1.25 - 1.30
powd., bbls., bxs.....lb. .25 - .26
Verona, bls.....lb. .18 - .19
powd., bxs., cs.....lb. .21 - .22
**Orthoanisidin, bbls.....lb. .70 - —**
**Orthochloroanilin, dms.....lb. .60 - .75**
**Orthochlorophenol, dms.....lb. .32 - —**
**Orthocresol, dms., c.l., works.lb. .16 - —**
**l.c.l., same basis.....lb. .16½- —**
**Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —**
**l.c.l., same basis.....lb. .07 - —**
**100-lb. tins, same basis.lb. .08 - —**
**50-lb. tins, same basis..lb. .09 - —**
**tanks, same basis.....lb. .05½- —**
**Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.**
**Orthonitroanilin, dms.....lb. .55 - —**
**Orthonitrochlorobenzene, dms..lb. .15 - .18**
**Orthonitroparachlorophenol, cns.lb. .75 - —**
**Orthonitrotoluene, dms.....lb. .09 - —**
**Orthophenetidin, dms.....lb. .80 - —**
**Orthotoluidin, dms.....lb. .19 - —**
**Osage orange extract, cryst., bbls., lb. .21 - —**
**liquid, 42°, bbls.....lb. .09 - —**
**51°, bbls.....lb. .10 - —**
**Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —**
**bots., cns., 1-50 lbs.....lb. 3.65 - 4.00**
**Orthotoluene hydrochloride, dms.lb. .22 - —**
**Sulphonate, kgs.....lb. 2.00 - 2.05**

## P

**Papain, powd., cs.....lb. 1.45 - 1.50**
**Paprika, Bulgarian, bgs.....lb. .27 - .28**
**Hungarian, extra fancy, bgs.lb. .35 - .36**
**medium, bgs.....lb. .31½- .32**
**Portuguese, extra fancy, bgs.lb. .33 - .34**
**fancy, bgs.....lb. .32 - .33**
**Spanish, extra fancy, cs.....lb. .42 - .43**
**Parachlorophenol, dms.....lb. .32 - —**
**Paracymene, refd., dms.....gal. .75 - 1.25**
**Paradichlorobenzene, dms., c.l.lb. .11 - .12**
**l.c.l. .....lb. .12½- .15⅛**
**Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .03 - —**
bbls., c.l., N.Y.....lb. .04¼- .04¾
**124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05 - .05¼**
bbls., c.l., N.Y.....lb. .04½- .05
**yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .04¼- —**
**fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0660- —**
**loose, c.l.....lb. .0625- —**
**125 A.m.p., bgs., c.l.....lb. .0675- —**
**128-130 A.m.p., bgs., or loose, c.l..lb. .0680- —**
**131-133 A.m.p., bgs., or loose, c.l..lb. .0705- —**
**133-135 A.m.p., bgs., or loose, c.l..lb. .0730- —**
**135-137 A.m.p., bgs., or loose, c.l...lb. .0755- —**
**138-140 A.m.p., bgs., or loose, c.l..lb. .0880- —**
**143-145 A.m.p., bgs., or loose, c.l..lb. .0925- —**
**151-153 A.m.p., bgs. or loose, c.l..lb. .70 Nom.**
Refined paraffin prices in cases are 1½c. lb higher than bags price; solid in tankcars is 5c. lower.
**match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .06¼ Nom.**
**semirfd., solid, 122-124 A.m.p., bgs..lb. .06½ Nom.**
**Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .34 - —**
**100 to 900 lbs. shipments, same basis..lb. .35 - —**
**Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works.lb. .10 - —**
**l.c.l., works.....lb. .11¼- —**
**5 and 10-gal. dms., works..lb. .15 - —**
**USP, cs., cbys.....lb. .37 - .45**
**Paranisidine, dms.....lb. .75 - —**
**Paranitroanilin, kgs., works...lb. .47 - —**
**Paranitrochlorobenzene, kgs....lb. .15 - —**
**Paranitrophenol, kgs.....lb. .35 - —**
**Paranitrotoluene, kgs.....lb. .30 - —**
**Paraphenylenediamine, bbls....lb. 1.25 - 1.30**
**Paratoluenesulphonamide, bbls.lb. .70 - —**
**Paratoluidin, bbls.....lb. .48 - —**
**Pareira brava root, bls.....lb. .20 - .21**
**Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25**
**less car lot, same basis.lb. .24 - .26**
**Passion flower, herb, bls.....lb. .08 - .09**
**Patchouli leaves, bls.....lb. .28 - .30**
**Pellitory root, bls.....lb. .28 - .29**
**Pennyroyal leaves, bls.....lb. .15 - .16**
**Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —**
**l.c.l., G.3.....gal. .16 - —**
**tanks, G.3.....gal. .08½- —**
**laboratory grade, dms., c.l., G.3, gal. .14 - —**
**l.c.l., G.3.....gal. .25 - —**
Pepper, black, Aleppey, bgs...lb. .06½- .06¾
Lampong, bgs.....lb. .06¼- .06½
Tellicherry, bgs.....lb. .05⅞- .06¼
**Red, chillies, Japan, Hontaka.lb. .16¾- .17¼**
**Mombassa, bgs.....lb. .26½- .27**
White, Java, Muntok, bgs...lb. .07¾- .08
Singapore, Muntok.....lb. .06¾- .07¼
**Peppermint leaves, dom., bls..lb. .35 - .40**
import, bls.....lb. .40 - .45
**Percnlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —**
**l.c.l., same basis.....lb. .08½- —**
**Zone 2, dms., c.l., works, frt. alld..lb. .08½- —**
**l.c.l., same basis.....lb. .09 - —**
**Zone 3, dms., c.l., works, frt. alld..lb. .09 - —**
**l.c.l., same basis.....lb. .09½- —**
**Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —**
**lb. .09 - —**
**l.c.l., same basis.....lb. .09½- —**
All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms.....lb. .95 - 1.00
Petrolatum, amber, dms., c.l..lb. .03¼- —
l.c.l. .....lb. .04¼- —
amber, extra, dms.....lb. .03⅝- —
l.c.l. .....lb. .04⅜- —
veterinary, dms., c.l.....lb. .03⅞- —

AMERICAN
ELDROL
WHITE
MINERAL OILS
U. S. P. AND TECHNICAL
PETROLATUMS

PETROLATUMS
U. S. P.

Extra White
Snow White
Lily White
Cream White
Golden Amber
Extra Light Amber
Light Amber
Amber

U. S. P.
AND
TECHNICAL WHITE OILS

All products are guaranteed as to quality and uniformity. Specific information and experimental samples furnished on inquiry.

PENNSYLVANIA OIL PRODUCTS
REFINING COMPANY
WARREN PENNSYLVANIA

## Petrolatum—Phosphorus

| | | |
|---|---|---|
| Petrolatum, white, cream, dms., c.l. | lb. | .04½- — |
| l.c.l. | lb. | .06 - — |
| lily, dms., c.l. | lb. | .05½- — |
| l.c.l. | lb. | .07 - — |
| snow, dms., c.l. | lb. | .06½- — |
| l.c.l. | lb. | .08 - — |
| **Petroleum, crude, bulk, at wells:—** | | |
| California | bbl. | .42 - 1.75 |
| **Canada** | **bbl.** | **2.10 - 2.17** |
| Central West:— | | |
| Illinois | bbl. | .53 - 1.00 |
| Lima | bbl. | .90 - — |
| Michigan | bbl. | .82 - 1.08 |
| Princeton | bbl. | 1.05 - — |
| **East Texas** | **bbl.** | **1.10 - —** |
| **Gulf Coast** | **bbl.** | **.74 - 1.41** |
| **Kentucky, Tennessee** | **bbl.** | **1.02 - 1.10** |
| **Louisiana, Arkansas** | **bbl.** | **.73 - 1.20** |
| **Mexico** | **bbl.** | **No prices** |
| Midcontinent:— | | |
| North Texas | bbl. | .51 - 1.10 |
| Oklahoma-Kansas | bbl. | .58 - 1.16 |
| Pennsylvania, Ohio, West Virginia:— | | |
| Bradford, Allegany | bbl. | 2.50 - — |
| Corning | bbl. | 1.17 - — |
| Pennsylvania grade, in Buckeye lines | bbl. | 1.45 - — |
| Eureka lines | bbl. | 2.09 - — |
| N. Y. Transit lines | bbl. | 2.50 - — |
| S. W. Penn lines | bbl. | 2.15 - — |
| lower district in National Transit lines | bbl. | 2.38 - 2.43 |
| Rocky Mountains | bbl. | .51¼- 1.30 |
| Petroleum, crude, bulk, at wells, South Central and Southwestern Texas | bbl. | .73 - 1.27 |
| Texas Panhandle | bbl. | .67 - .96 |
| West Texas | bbl. | .53 - .95 |
| Ether, 30-60°, dms., c.l., G.S. | gal. | .14½- — |
| l.c.l., G.S. | gal. | .25½- — |
| tanks, G.S. | gal. | .13½- — |
| 35-60°, dms., l.c.l., G.S. | gal. | .30½- — |
| 40-75°, dms., c.l., G.S. | gal. | .14½- — |
| l.c.l., G.S. | gal. | .25½- — |
| tanks, G.S. | gal. | .13½- — |
| laboratory grade, dms., c.l., G.S. | gal. | .14½- — |
| c.l., G.S. | gal. | .25½- — |
| 10-gal. lots, G.S. | gal. | .50½- — |
| Lacquer, diluent, at refinery:— | | |
| California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles | gal. | .11 - — |
| San Francisco | gal. | .11½- — |
| f.o.b. Richmond | gal. | .11 - — |
| Calif., Willbridge, Ore., Ft. Wells, Wash. | gal. | .12 - — |
| East Coast, tanks | gal. | .09½- .10 |
| Group 3, toluol type, tanks | gal. | .07⅝- — |
| benzol type, tanks | gal. | .07⅞- — |
| Naphtha, cleaners.' at refinery:— | | |
| East Coast, tanks | gal. | .09 - .10⅛ |
| Group 3, tanks | gal. | .06⅞- .07 |
| tankwagon, Boston, ex tax. | gal. | .13½- — |
| Bridgeport | gal. | .13½- — |
| Chicago, inc. 4c. tax. | gal. | .18 - — |
| Decatur, inc. 4c. tax. | gal. | .1910- — |
| Petroleum, naphtha, tankwagon, Des Moines, inc. 4c. tax. | gal. | .1890- — |
| Evansville, inc. ex tax. | gal. | .15 - .16 |
| tankwagon, Milwaukee, inc. 5c. tax. | gal. | .2030- — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .20½- — |
| Newark, ex tax | gal. | .10½- — |
| New York, ex tax | gal. | .10½- — |
| Omara, ex tax | gal. | .1490- .1590 |
| Oklahoma City, ex tax. | gal. | .16½- — |
| Philadelphia, ex tax. | gal. | .12 - — |
| St. Louis, inc. 1c. tax. | gal. | .15½- — |
| Syracuse, 150 gals. | gal. | .14½- — |
| smaller lots, galv. drums. | gal. | .10 - — |
| milk cans | gal. | .21 - — |
| High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway | gal. | .18 - — |
| 2, over 90% arom., same basis | gal. | .19 - — |
| 3, same basis | gal. | .20 - — |
| 8, tanks, f.o.b. Paulsboro, N. J. | gal. | .15¼- — |
| 80, same basis | gal. | .16¼- — |
| 40, same basis | gal. | .16½- — |
| v.m.&p., at refinery— | | |
| California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo | gal. | .11 - — |
| Richmond | gal. | .11½- — |
| Willbridge, Ore., Pt. Wells, Wash. | gal. | .12 - — |
| 54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles | gal. | .10 - — |
| Petroleum, naphtha, v.m.p., at refinery, California, San Francisco | gal. | .10½- — |
| Portland, Seattle | gal. | .11 - — |
| East Coast, tanks | gal. | .09½- — |
| Group 3, tanks | gal. | .06¾- .07 |
| tankwagon, Boston, ex tax. | gal. | .14½- — |
| Chicago, inc. 4c. tax. | gal. | .17 - — |
| Des Moines, inc. 4c. tax. | gal. | .1890- — |
| Decatur, inc. 4c. tax. | gal. | .1910- — |
| Evansville, Ind., ex tax. | gal. | .1520- .1620 |
| Milwaukee, inc. 5c. tax. | gal. | .2030- — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .20 - — |
| Newark, ex tax | gal. | .11½- — |
| New York, ex tax | gal. | .10½- — |
| Omaha, ex tax | gal. | .1490- .1590 |
| Philadelphia, ex tax. | gal. | .13 - — |
| St. Louis, inc. 1c. tax. | gal. | .1570- — |
| solvent, rubber, at refinery, East Coast, tanks. | gal. | .09½- — |
| Group 3, light, 120 i.b.p., 250 e.p., tanks. | gal. | .06¾- .07 |
| standard, 180 i.b.p., 288 e.p., tanks. | gal. | .06¾- .07 |
| Stoddard (CS 3-38), at refinery:— | | |
| East Coast, tanks | gal. | .08¾- .09⅛ |
| Group 3, tanks | gal. | .06¾- .06⅛ |
| tankwagon, Boston, ex tax, | gal. | .14 - — |
| Chicago, inc. 4c. tax. | gal. | .1640- — |
| Decatur, inc. 4c. tax. | gal. | .1860- — |
| Des Moines, inc. 4c. tax. | gal. | .1840- — |
| Evansville, Ind., ex tax. | gal. | .14 - .15 |
| Milwaukee, inc. 5c. tax. | gal. | .1980- — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .1820- — |
| Newark, ex tax | gal. | .09½- — |
| New Orleans, ex tax. | gal. | .11 - — |
| New York, ex tax | gal. | .09¼- — |
| Omaha | gal. | .1360- .14⅛ |
| Philadelphia, ex tax. | gal. | .13 - — |
| St. Louis, inc. 1c. tax. | gal. | .1340- — |
| Tulsa, ex tax | gal. | .10½- .11¼ |
| Thinners, at refinery:— | | |
| California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles | gal. | .10 - — |
| Portland | gal. | .11 - — |
| San Francisco | gal. | .10½- — |
| Seattle | gal. | .11 - — |
| 198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles | gal. | .10 - — |
| Portland | gal. | .11 - — |
| San Francisco | gal. | .10½- — |
| Seattle | gal. | .11 - — |
| 246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles | gal. | .10 - — |
| Portland | gal. | .11 - — |
| San Francisco | gal. | .10½- — |
| Seattle | gal. | .11 - — |
| 312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles | gal. | 08½- — |
| Portland | gal. | .09½- — |
| San Francisco | gal. | .09 - — |
| Seattle | gal. | .09½- — |
| 318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles | gal. | .13 - — |
| Portland | gal. | .14 - — |
| San Francisco | gal. | .13 - — |
| Seattle | gal. | .14½- — |
| East Coast, 43-47, tanks | gal. | .08¾- .09⅛ |
| 47-49, tanks | gal. | .10½- — |
| New Jersey, tanks | gal. | .09 - — |
| Group 3, tanks | gal. | .05¾- — |
| tankwagon, tax included:— | | |
| Albany | gal. | .13½- — |
| Baltimore (100 gals.) | gal. | .14 - — |
| 25-99 gals. | gal. | .16 - — |
| Boston | gal. | .13½- — |
| Bound Brook, North Amboy, N. J. | gal. | .13½- — |
| Bridgeport, Conn. | gal. | .11½- — |
| Buffalo | gal. | .15½- — |
| Camden, N. J. | gal. | .10 - .11⅛ |
| Chicago | gal. | .1670- — |
| Decatur | gal. | .1810- — |
| Des Moines | gal. | .1790- — |
| Evansville, Ind. | gal. | .1420- .1520 |
| Milwaukee | gal. | .1930- — |
| Minneapolis-St. Paul | gal. | .19½- — |
| Newark | gal. | .09½- — |
| New York (200 gals.) | gal. | .09½- — |
| Omaha | gal. | .1360- .1400 |
| Philadelphia | gal. | .12½- — |
| Pittsburgh | gal. | .11½- .13⅛ |
| Providence | gal. | .12 - — |
| Rochester | gal. | .12½- — |
| St. Louis | gal. | .1470- — |
| Syracuse | gal. | .10½- — |
| Trenton | gal. | .10½- — |
| Wilmington, Del. | gal. | .12½- — |
| **Phenobarbital, 5-lb. bots.** | **lb.** | **3.95 - —** |
| bots. or cns., 100 lbs., spot or contract. | lb. | 3.60 - — |
| 25-lb. cns. | lb. | 3.85 - — |
| Phenol, USP, dms., c.l., works, frt. equald. | lb. | .13 - — |
| l.c.l., same basis | lb. | .13¾- — |
| under 1,000 lbs. | lb. | .14¾- — |
| tanks, works | lb. | .12 - — |
| Phenolphthalein, USP, bbls., dms., 2,000-lb. lots. | lb. | .85 - — |
| bbls., dms., kegs, 100-250 lbs., | lb. | .87 - .89 |
| yellow, fib. dms., 2,000-lb. lots, | lb. | .80 - — |
| 100-lb. fib. dms. | lb. | .82 - — |
| 25-lb. dms. | lb. | .87 - — |
| 50-lb. kgs. | lb. | .84 - — |
| Phenyl chloride, dms. | lb. | .17 - — |
| Phenylacetaldehyde, bots. | lb. | 2.10 - 2.50 |
| Dimethylacetate, cns. | lb. | 14.50 -15.00 |
| Phenyl ethyl acetate, cns. | lb. | 2.45 - 2.50 |
| Phenylethylphenyl acetate, bots., | lb. | 7.90 -15.50 |
| Phenylhydrazine, base, CP, bots. | lb. | 4.00 - — |
| hydrochloride, CP., bots., works. | lb. | 4.60 - — |
| commercial, kgs., works. | lb. | 1.50 - — |
| pure, bbls., works | lb. | 2.25 - — |
| Phlorogiucinol, CP, tins, wks. | lb. | 20.00 -22.00 |
| tech., tins, works | lb. | 15.00 -16.50 |
| Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines. | long ton. | 4.35 - — |
| land pebble, 68% min., bulk, mines. | long ton. | 1.90 - — |
| 70% min., bulk, mines. | long ton. | 2.15 - — |
| land pebble, 72% min., bulk, mines. | long ton. | 2.40 - — |
| 75% basis, 74% min., bulk, mines. | long ton. | 2.90 - — |
| Tenn., 72% bulk, mines, long ton. | | 4.50 - — |
| 75% bulk, mines. | long ton. | 5.50 - — |
| Phosphorus, red, cs. | lb. | .40 - .44 |
| yellow, dms. | lb. | .18 - .20 |
| cases | lb. | .23 - .25 |
| Oxychloride, cyls. | lb. | .15 - .18 |
| Pentoxide, dms., c.l., works. | lb. | .11 - .12 |
| l.c.l., dms., works | lb. | .13 - .14 |
| Sesquisulphide, cs. | lb. | .38 - .42 |
| Trichloride, cyls. | lb. | .15 - .16 |

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*Prepared Monthly by U. S. Industrial Chemicals, Inc.*

# U.S.I. CHEMICAL NEWS

June ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1940

## Alcohol, Derived Chemicals Widely Used in Dyestuffs

### Many U.S.I. Products Employed As Both Solvents and Reagents

Denatured alcohol, as a solvent and as a raw material for many derived chemicals, has come to occupy an outstanding position in the dyestuff industry. Other U.S.I. products, notably acetone and normal butyl alcohol, produced by fermentation processes, have also found increasingly wide use in dyestuff manufacture. Still broader markets are expected under the stimulus of active research in the development of new and better dyes.

**Double Role of Solvents**

Solvents of this type often play a double role in dyestuff manufacture, serving as a true solvent where no chemical reaction is involved, or as a chemical component where reactions take place. While only incidental reference is made in this article to this second aspect of the application of solvents, the utilization of solvents in chemical reactions comprises a major branch of organic chemistry, including dyestuff intermediates such as acetoacetanilid, ethyl acetoacetate, sodium ethyl oxalacetate, and similar chemicals.

**Use of Denatured Alcohol and Solox**

Both denatured alcohol and Solox, U.S.I's proprietary alcohol-type solvent, are widely employed for solvent purposes in the manufacture of developed, acid and direct dyes. The alcohol serves as a solvent or dispersing medium for the components without reacting

(*Continued on next page*)

## *Sterno Stoves and Canned Heat Boon to Boat-Owners*

NEW YORK, N. Y.—Man-sized meals afloat are easy to prepare when motor-boat or cruiser is equipped with the Sterno Galley

Stove. Stove burns Sterno Canned Heat—the convenient, non-spillable fuel.

Basis of Canned Heat is alcohol solidified by a congealing agent.

## Improves Drying Properties Of Oils with Nitric Acid

ROYAL OAK, Mich.—That the drying properties of oils can be improved by treatment with nitric acid is claimed in a patent granted to an inventor here.

The acid, it is said, serves both as an oxidizing agent and as a reagent for controlling the pH value of the solution.

The process is reported to be applicable to linseed, soy bean, sunflower, perilla, rapeseed, and oiticica oil.

## Additive Agent Aids Prevention of Gum Formation in Motor Fuels

### Anthranilic Acid, Reported Widely Applicable as Secondary Inhibitor, Is Preferably Dissolved in C. D. Alcohol No. 11

*Specially Written for U.S.I. Chemical News by W. A. Smith, Buffalo, N. Y.*

A new weapon—anthranilic acid—has recently been made available for use in the war against gum formation in motor fuels, a difficulty that constantly faces the petroleum chemist. This compound is reported to be available in the proper grade at a reasonable price, and to be effective over a wide range of fuels.

When motor fuels from different sources or of different ages are mixed, a marked tendency toward gum formation is apparent. Anthranilic acid is said to be widely applicable as a secondary inhibitor to prevent this gum formation. For example, if it is desirable to add new gasoline to a storage tank already partially filled with material relatively old, the accelerating effect of the old, partially oxidized fuel on the oxidation of the added gasoline can be prevented by the addition of the proper amount of anthranilic acid, it is claimed. This property of anthranilic acid is so marked that it is often possible to obtain acceptable blends by adding fresh gasoline to motor fuels that have aged beyond their induction period. This is especially advantageous where equipment is not available in which to re-run the older material.

**Reduction of Copper Corrosion**

Tank cars, barges, and tankers often return to the refinery with relatively minor quantities of badly oxidized liquids, which seriously contaminate the next shipment placed in them. In one case recently reported, occasional instances of valve sticking in customers' cars led to investigation of the gasoline in the bulk storage tank, which was found to have a copper dish corrosion of 125 mg. Further tests on six tank cars received from the refinery showed copper corrosions varying from 19 to 72 mg., with an average of 61, on material that had tested about 5 mg. at the refinery.

Anthranilic acid added to the material in the tank cars at the bulk plant in the proportion of ¼ pound to 1,000 gallons, was reported to reduce the copper corrosion to a range from 3 to 9 mg., with an average of 6.

Other gum problems have been introduced by the admixture of incompatible blends: for example, when ordinary motor fuels are mixed in customers' fuel tanks with catalytic and polymer fuels (some of which are purposely

(*Continued on next page*)

## *New Reaction Products Suggested for Coatings*

WILMINGTON, Del.—That paints, varnishes, and lacquers of excellent durability and discoloration resistance can be formulated from the reaction products of an ester of a heterocyclic alcohol and an unsaturated rosin acid with maleic anhydride is revealed in a patent granted to an inventor here. The reaction products are said to be suitable for use in nitrocellulose lacquers and in lacquers containing cellulose derivatives.

Typical lacquer formulation, according to the patent, has the following proportions by weight:

| | |
|---|---|
| Nitrocellulose | 12 |
| Ethyl Alcohol | 5 |
| Toluene | 26 |
| Butyl Alcohol | 5 |
| Ethyl Acetate | 6 |
| Butyl Acetate | 26 |
| Damar Gum Solution | 10 |
| Reaction Product | 10 |

**Ethyl Alcohol, Butyl Alcohol, Ethyl Acetate, and Butyl Acetate are produced by U.S.I.**

## New Laboratory Mixer Is Geared for Heavy Fluids

NEW YORK, N. Y.—Special gearing on a new laboratory mixer allows it to run continuously on even the heaviest fluids, it is announced by a manufacturer here.

Applications for the mixer are said to include paints, lacquers, glues, heavy oils, latex, asphalt, syrups, food products, and pharmaceuticals. Speed is reported to be adjustable from 0 to 1,350 RPM. Mixer may be used with inflammable liquids and is explosion-proof under these conditions, says the maker.

**Highway marking paints are subjected to unusually severe service conditions, being constantly exposed to weathering and traffic. In many states, specifications for traffic paints call for a solvent composed of 20% normal butyl alcohol, 40% acetone, and 40% denatured alcohol No. 1 (by volume). When added thinners are to be employed, amyl acetate is frequently specified, in the proportion of 5 gallons to 500 gallons of finished paint. Normal butyl alcohol, acetone, S. D. Alcohol No. 1, and amyl acetate, essential ingredients of traffic paints, are produced by U.S.I.**

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June ★ # U.S.I. CHEMICAL NEWS ★ 1940

## Improves Resinous Stocks By Using Alcohol Varnish

GLEN ELLYN, Ill.—Resinous stocks for use in molded products that must be substantially free from dimensional changes can be prepared with the aid of alcohol varnishes, according to a patent granted to an inventor here.

The process, it is said, consists in treating the web which is to be saturated first with a water-type penetrating varnish, which introduces 20-30% of the desired resin content. A second treatment with alcohol-type resinous varnish increases the resin content.

Process, the inventor claims, results in a product that combines most of the strength obtained by using alcohol varnishes alone with the non-swelling properties resulting from water-type varnishes.

## *Solvents In Dyestuffs*

(*Continued from previous page*)

chemically, and the dyes are later separated from the reaction mixture as solids.

In other cases, notably the azoic and spirit-soluble aniline types, the dyes are sold dispersed in alcohol, or in dry form to be dissolved in alcohol or in alcohol-water mixtures.

An important use of alcohol is as a direct ethylating agent used in making diethyl aniline, and through the medium of diethyl sulphate and other ethyl esters in the production of intermediates. Acridine and developed type dyes are of such origin.

### Application of Other Solvents

Other U.S.I. products used in the dyestuff industry include ethyl acetate, acetone, butyl and amyl alcohols. Ethyl acetate has a limited application as a solvent for the aromatic reacting materials in the manufacture of acridine and milling dyes, and also as the starting point for ethyl acetoacetate and its derivatives.

Acetone is used as a solvent for the reacting components in the manufacture of basic dyes such as malachite green, methylene blue, etc.

Butyl and amyl alcohols are used as solvents much as ethyl alcohol is used, except that these alcohols are anhydrous and relatively water-insoluble. In addition, butyl and amyl alcohols are used for alkylation, and in the preparation of their respective amines for the production of direct, developed, acid, and vat dyes.

U.S.I. will gladly give further information on the use of its products in dyestuff manufacture.

## *Recommends Alcohol for Extracting Castor Seed*

Extraction of castor seed with alcohol is more satisfactory than pressing the seed in a hydraulic press, it is reported in the *Journal of the Indian Chemical Society*. Advantages of alcohol extraction are said to be: possibility of using completely decorticated seed; greater yield as No. 1 oil; higher nitrogen content in cake; lower manufacturing costs.

## Secondary Gum Inhibitor

(*Continued from previous page*)

left sour). Such admixtures produce very unstable blends, but compatibility can be accomplished in large measure by the judicious use of anthranilic acid, it is indicated.

Copper sweetened distillates are said to yield more readily to inhibition with anthranilic acid, either alone or in connection with one of the common hydroxy inhibitors, than when anthranilic acid is not used. Doctor sweetened materials are also said to display the same effect, although to a lesser degree.

### C. D. Alcohol Used as Solvent

While finely ground anthranilic acid is directly soluble in practically all types of cracked distillates in the required quantity (which usually ranges from 1 to 3 mg. per 100 cc.—equivalent to 1-1/3 to 4 ounces per 1,000 gallons of motor fuel), it is much more practical to dissolve it in a suitable solvent, such as Anhydrous Alcohol C. D. 11, or one of the other Government-approved ethyl alcohols for use in motor fuel. This solution is pumped into the tank during blending. Anthranilic acid may also be dissolved in isopropyl alcohol, isopropyl ether, and acetone. Suggested proportions are:

| Solvent | Gals. of Solvent Required for 1 lb. of Anthranilic Acid | Gals. in Resulting Mixture |
|---|---|---|
| Alcohol | 0.9 | 1.0 |
| Isopropyl Alcohol 98% | 1.2 | 1.3 |
| Isopropyl Ether | 2.9 | 3.0 |
| Acetone | 0.4 | 0.5 |

These quantities are based on room temperature, no heating being required, and, in the case of ethyl alcohol and acetone, virtually no agitation.

When other liquid inhibitors are used in connection with anthranilic acid, it will usually dissolve in the inhibitor directly in the required proportion.

(Anthranilic acid is a patented product. U.S.I. will refer readers to the holder of the patent.)

## TECHNICAL DEVELOPMENTS

*Further information on these items may be obtained by writing to U.S.I.*

**Petroleum sulphonates** are said to be available in a purified form, permitting their use in the manufacture of soluble cutting oils, emulsion polishes, and other products. They are said to offer possibilities in the manufacture of paints, inks, and rust preventatives. **(No. 340)**.

U S I

**A new cleaning compound,** said to be intended especially for rugs and upholstered furniture, is described as non-inflammable, and is reported not to leave any odor or residue. **(No. 341)**

U S I

**A new coating** for electrical insulated wire is reported to be a rapid-drying, transparent, flexible compound that will stand any electrical test that an insulating varnish requires. It is said to penetrate paper or cloth instantly. **(No. 342)**

U S I

**Microorganism control** in the paper industry is said to be effected with a compound recently placed on the market. Maker claims that the compound is chemically stable, non-corrosive to metals, and free from odor. **(No. 343)**

U S I

**A new wetting agent** overcomes the tendency of water colors to "creep" on the surface of acetate sheets, according to the manufacturer. It is said that the wetting agent does not increase viscosity, nor affect opacity and color intensity. **(No. 344)**

U S I

**A new hose** is reported to be suitable for spraying paints and lacquers, and for handling benzol, carbon tetrachloride, drying oils, thinners, turpentine, and gasoline. **(No. 345)**

U S I

**A cellophane cement** is described as transparent, tasteless, odorless, moisture-proof, resistant to acids and alkalis, readily applied, adaptable to food packaging. **(No. 346)**

U S I

**A new tracing medium** is said to produce ink-like opacity from hard drawing pencils, giving ink results at pencil speed. Medium is reported to have exceptional strength. **(No. 347)**

U S I

**A protective paint** for use in carburizing and similar metallurgical processes can be applied by dipping or spraying, requires no special skill in application, expands and contracts with the protected metal, it is reported. **(No. 348)**

U S I

**Synthetic drying oils,** recently patented, are described as liquid esters of natural higher fatty acids, substantially free from uncombined hydroxyl groups. **(No. 349)**


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Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

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Ansol PR

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Amyl Acetate
Butyl Acetate
Ethyl Acetate

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Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
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Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

**OTHER ESTERS**
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

**INTERMEDIATES**
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

**ETHERS**
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

**OTHER PRODUCTS**
Acetone, C.P.
Collodions
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone
*Curbay B-G

Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works....lb. .40 - —
kgs., works....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R...lb. .14½- —
l.c.l., same basis....lb. .15½- —
Pichi leaves, bgs....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 3.50 - 4.25
Nitrate, bots., vis....oz. 4.15 - 4.20
Pimento, bgs....lb. .19¾- .20
Pinkroot, bls....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l....ton.22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls....lb. .07 - .07½
Pomegranate bark, bgs....lb. .52 - .53
Root bark, bgs....lb. .47 - .48
Poppy flowers, red, bls....lb. .85 - .90
Seed, Dutch, bgs....lb. No prices
Hungarian, bgs....lb. No stocks
Potash abietate....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd....lb. .28 - —
USP, bbls., 250 lbs....lb. .28 - —
kgs., 100 lbs....lb. .30 - —
cns., 25 lbs....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. No prices
kgs., 100 lbs....lb. No prices
gran., bbls., 250 lbs....lb. No prices
kgs., 100 lbs....lb. No prices
Bichromate, spot, c.l., works, lb. .08¾- —
3 casks, or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03125- —
tanks, same basis....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs....lb. .19 - —
kgs., 100 lbs....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l....lb. .07¾- .07½
import, dms....lb. No prices
liquid, 45% basis, dms....lb. .03½- .03¾
tanks....lb. .02½- —
solid, 88-92%, dom., dms., c.l., works..lb. .06½- —
l.c.l....lb. .06½- .06¾
import, dms....lb. No prices
Chlorate, cryst., kgs....lb. .10½- .12
gran., kgs....lb. .12 - .14½
powd., kgs....lb. .10 - .12½
Chloride, tech., 96%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs....lb. .24 - .27
Citrate, USP., gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs....lb. .34½- —
cns., 50 lbs....lb. .35½- —
cns., 25 lbs....lb. .37½- —
Cyanide, cns., dms....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 -1.65
cns., 25 lbs....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs....lb. .75 - —
Iodate, bots., 5 lbs....lb. 3.31 - 3.85
cns., 25 lbs....lb. 3.20 - —
Iodide, bbls., 250 lbs....lb. 1.35 - —
bots., or cns....lb. 1.44 - 1.70
dms....lb. 1.35 - 1.38
Kainit, 20% $K_2O$, bulk, ex-vessel, Atlantic or Gulf ports..ton.12.25 - —
Manure salt, dom., run of mine, approx. 30% $K_2O$, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30% $K_2O$, bulk, ex-vessel, Atlantic or Gulf ports..ton.17.55 - —
Metabisulphite, kgs....lb. .13 - .16
Muriate, dom., all strengths, min., 50% $K_2O$, bulk, unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% $K_2O$, bulk, ex-vessel, Atlantic or Gulf ports..ton.26.75 - —
60% $K_2O$, bulk, ex-vessel, Atlantic or Gulf ports. ton.32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton.55.00 Nom.
Perchlorate, kgs., works....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls....lb. .40 - .45
Yellow, bbls....lb. .15 - .16
Ricinoleate, tech., bbls....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100 lb. kgs....lb. .21 - —
tech., 90-95%, min. 90% bgs., ex-vessel, Atlantic or Gulf ports..ton.36.25 - —
Xanthate, dms., c.l....lb. .13 - —
l.c.l....lb. .13½- —
Potash-magnesia sulphate, 48-55%, min. 48%, bgs., shipt. ton.24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms....lb. .45 - —
Prickly ash bark, bls....lb. .15 - .16
Berries, bgs....lb. .30 - .35
Prince's pine herb, bls....lb. .22 - .23
Propane, tanks, Group 3....gal. .03½- .04
Psyllium seed (see Flaxseed).
Pulsatilla, bls....lb. .30 Nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse..ton.44.00 Nom.
1,000-10,000 lbs., ex whse. ton.46.00 Nom.
2 bgs., to 1,000 lbs., ex whse. ton.48.00 Nom.
single bgs., ex whse..ton.60.00 Nom.
Pumpkin seed, bgs....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms....100 lbs. 5.50 - —
standard, dms....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
concentrate (30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless...gal.10.65 -11.00
Flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3,, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works....lb. .10 - —
China white, ivory, cs., works. lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works....lb. .15 - —

# Q

Quassia chips, bls....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd., N. Y..flask.195.00 -200.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store....flask.209.00 - —
Quince seed, bgs....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns....oz. 1.03 - —
powd., precip., cns....oz. .96 - —
Sulphate, cns....oz. .69 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns....oz. .80 - —
Acetate, cns....oz. 1.02 - —
Arsenate, cns....oz. 1.02 - —
Arsenite, cns....oz. 1.04 - —
Bisulphate, cns....oz. .57 - —
Citrate, cns....oz. .73 - —
Dihydrobromide, bots....oz. .78 - —
Dihydrochloride, bots....oz. .78 - —
Ethylcarbonate, cns....oz. .80 - —
Ferrocyanide, cns....oz. 1.04 - —
Formate, cns....oz. .97 - —
Glycerophosphate, cns....oz. 1.17 - —
Hydrochloride, cns....oz. .72 - —
Hydrochlorosulphate, cns....oz. .78 - —
Hydroiodide, cns....oz. 1.02 - —
Hypophosphite, cns....oz. 1.03 - —
Phosphate, cns....oz. .86 - —
Salicylate, cns....oz. .76 - —
Sulphate, USP, X, cns....oz. .57 - —
USP, XI, cns....oz. .64 - —
Sulphocarbonate, cns....oz. 1.03 - —
Tannate, cns....oz. .60 - —
Tartrate, cns....oz. 1.00 - —
Valerate, cns....oz. .96 - —
Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.

# R

R. salt, dry, bbls....lb. .55 - —
paste, dms....lb. .52 - —
Rapeseed, Belgian, bgs....lb. .07½- .08
Dutch, black, bgs....lb. .10 - .10½
red, bgs....lb. .12 - .12½
Japanese, bgs....lb. .08 - .08½
Raspberries, dried, bls....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo. Salt Lake City, Wichita, prices are equalized with Chicago
Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .60 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
light shade, kgs., ton lots, same basis..lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works..lb. 2.70 - —
light, works....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs....lb. 4.60 - —
cns., 5 lbs....lb. 4.75 - —
1 lb....lb. 4.85 - —
Croeus martis (see Red, purple oxide).
Eosin toner, bbls....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts..lb, .90 - 1.00
open order....lb. .95 - 1.05
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order....lb. .60 - —
Rose lake, bbls....lb. .20 - .22
Pink, bbls....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08¼- —
l.c.l., works....lb. .09¼- —
reduced, 65% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio....lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04¾- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05¾- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works....lb. .0220- —
10%, bbls., works....lb. .0245- —
15%, bbls., works....lb. .0265- —
20%, bbls., works....lb. .02¾- —
25%, bbls., works....lb. .03 - —
30%, bbls., works....lb. .03¼- —
35%, bbls., works....lb. .0360- —
40%, bbls., works....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots....lb. 3.12 - 3.17
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs....lb. .12 - .14
Rhodinol, bots....lb. 5.50 -10.90
Rhubarb, bots....lb. .60 - .65
powd., bbls., kgs....lb. .65 - .70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .23¾- —
smaller lots....lb. .24¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots....lb. .23¼- —
Rose flowers, pale, bls....lb. .50 - .55
red, bls....lb. 2.50 - 2.75
Rosemary, flowers, bls....lb. .45 - .50
leaves, bls....lb. .09 - .10
Rosin, gum, bbls., ex dock 280 lbs. 4.75 - —
D, bbls....280 lbs. 4.80 - —
E, bbls....280 lbs. 5.10 - —
F, bbls....280 lbs. 5.50 - —
G, bbls....280 lbs. 5.50 - —
H, bbls....280 lbs. 5.50 - —
I, bbls....280 lbs. 5.50 - —
K, bbls....280 lbs. 5.60 - —
M, bbls....280 lbs. 6.00 - —
N, bbls....280 lbs. 6.45 - —
W. G., bbls....280 lbs. 6.65 - —
W. W., bbls....280 lbs. 6.95 - —
X, bbls....280 lbs. 7.15 - —
Rosin, wood, bbls....280 lbs. 3.80 - 5.50



Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines....ton.37.50 Nom.
Import, lump, bbls....lb. .14 Nom.
powd., bbls....lb. .08½- .10
Rue, bls....lb. .30 - .35

# S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs....lb. 1.45 - —
cns., 25 lbs....lb. 1.48 - 1.50
Safflower, bls....lb. .29 - .30
Saffron, Mexican, bls....lb. .35 - .40
Spanish, tins....lb.27.00 -28.00
Safrol, cns....lb. 1.05 - 1.10
dms....lb. 1.00 - 1.05
Sage, Dalmatian, stemless....lb. .32 - .36
garden, bls....lb. .35 - .37
Sago flour, bgs....lb. .04 Nom.
Salicin, bots., 5 lbs....lb. 7.04 - —
cns., 25 lbs....lb. 7.00 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs....lb. .93 - —
kgs., 100 lbs....lb. .95 - —
powd., fib. dms., 25 lbs....lb. 1.03 - —
kgs., 100 lbs....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.13.20 -13.35
l.c.l., bgs., dlvd., N.Y...ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y...ton.15.70 - —
l.c.l., dlvd., N.Y....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works....ton.17.00 Nom.
import, bulk, c.i.f....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls...100 lbs. 8.10 - 9.10
1-9 tons....100 lbs. 8.25 - 9.25
less than ton lots...100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons....100 lbs. 7.25 - —
less than ton lots...100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons....100 lbs. 8.25 - —
less than ton lots...100 lbs. 8.50 - —
Santonin, cryst., cns....kilo.138.00 -145.00
Saponin, crude, cns....lb. 2.25 - 2.50
purified, cns., 25 lbs....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls....lb. .15 - .16
Sassafras, bark, ord., bls....lb. .13 - .14
select, bls....lb. .20 - .21
Savory, bbls....lb. .27 - .28
Saw palmetto berries, bgs....lb. .08 - .09
Scammony root, bgs....lb. .07 - .09
resin, lump, cns....lb. .85 - —
powd., bxs....lb. .90 - —
Schaeffer's salt, bgs....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .18¾- —
smaller lots....lb. .19½- —
kegs, 5,000 lbs., 1 shipm't..lb. .19½- —
smaller lots....lb. .19¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases....lb. 1.75 - —
Senega root, bls....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .14 - .15
siftings, bgs....lb. .13 - .14
Tinnevelly, No. 1, bls....lb. .12 - .13
2 bls....lb. .10 - .11
3 bls....lb. .08½- .09
powd., bbls., bxs....lb. .12 - .13
Pods, bls....lb. .09 - .10
Serpentaria root, bls....lb. .85 - .90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .25 - .26
dlvd., Boston....lb. .25½- .26½
Chicago....lb. .25¾- .26¾
Pacific Coast....lb. .28 - .29
rfd., bbls., f.o.b. N.Y....lb. .31 - .32
dlvd., Boston....lb. .31½- .32½
Chicago....lb. .31¾- .32¾
Pacific Coast....lb. .34 - .35
Garnet, bgs....lb. .19½- —
Orange, D.C., VSO., Diamond I, cases..lb. .25½- .26
Superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- —
dlvd., Chicago....lb. .15 - .15½
Pacific Coast....lb. .17½- .18
T.N., bgs., f.o.b. Bost., N.Y.lb. .13½- —
dlvd., Chicago....lb. .14 - .14½
Pacific Coast....lb. .16½- .17
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls....gal. 1.00 - 1.05
4-lb. cut, bbls....gal. .95 - 1.00
white, 5-lb. cut, bbls....gal. 1.15 - 1.20
4½-lb. cut, bbls....gal. 1.10 - 1.15
4-lb. cut, bbls....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l.,works..ton.20.00 - —
wet-grnd., 96-98%, 325 mesh, l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works....ton.16.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works....ton.16.00 - —
Silver, bullion....oz. .35%- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs....oz. No prices
1,000 ozs....oz. No prices
500 ozs....oz. No prices
80 to 100 ozs....oz. No prices
Nitrate, vis....oz. .27%- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls....lb. .30 - .35
Skatol, bots....lb.75.00 -80.00
Skullcap, Eastern, bls....lb. .23 - .24
Western, bls....lb. .14 - .15
Skunk cabbage root, bls....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works....ton.10.00 -15.00

## Sloe Berries—Tankage

Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90% dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .71 - .96
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

**Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.**

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

**Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.**

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .42 - —
USP, bbls., nb., dms., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd., N. Y.100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
83 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —

**l.c.l., same zone prices as ammonia process.**

liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.96 - —
Soda, caustic, liquid, 70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid 76% ammon., process, dms., c.l., works.100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

**l.c.l., same zone prices as ammon process.**

**Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.**

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Chromate, spot, c.l., works...lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, 225-lb. bbls.....lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI. powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 40% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

**Soda fluoride prices at Los Angeles are f.a.s. works.**

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
**Hypophosphite, N.F., cns., 100-lb. lots..lb.. .67 - —**
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd., 100 lbs., 2.25 - —
**bbls., same basis...100 lbs. 2.45 - —**

**l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —**
**bbls., same basis...100 lbs. 2.70 - —**
**pea, bgs., c.l., works..100 lbs. 2.60 - —**
**bbls., works.....100 lbs. 2.80 - —**
**dms., works.....100 lbs. 3.10 - —**
**5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00**
**bbls., works.....100 lbs. 2.95 - 3.20**
**dms., works.....100 lbs. 3.25 - 3.60**
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
**bbls., works.....100 lbs. 3.05 - 3.30**
**dms., works.....100 lbs. 3.35 - 3.60**
**500 to 2,500 lbs., bgs., works, lb. 3.10 - 3.25**
**bbls., works.....100 lbs. 3.30 - 3.55**
**dms., works.....100 lbs. 3.60 - 3.85**
**less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95**
**bbls., works.....100 lbs. 3.90 - 4.15**
**dms., works.....100 lbs. 4.20 - 4.45**
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 2.47
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼

**Soda nitrite l.c.l. price range represents delivery at various points.**

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works...100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
Soda, phosphate, tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

**Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.**

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works...100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import., bbls.....lb. .07¾- .08
Stannate, dms.....lb. No price
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15

**cryst. (see Glauber's salt).**

Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over., dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works..100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
cryst., bgs., 100 lbs., works, lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
W. Coast, f.o.b. Minneapa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, same basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- —
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .20 - .21
Spruce extract, reg., bbls., c.l., worksib. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .17
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.80 - —
dlvd., N. Y.....100 lbs. 3.15 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.90 - —
dlvd., N. Y.....100 lbs. 3.25 - —
Potato, dom., bgs.....lb. .06 - .06½
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07½ Nom.
Sweetpotate, bgs.....lb. .05½- .06
bbls. .....lb. .06 - .06½
Wheat, thick. boil, bgs.....lb. .06½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .05¾ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib. dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV. 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Styalyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Strychnine, glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100 oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l.,works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton140.00 - —
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 95-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 mesh, c.l., mills..ton.15.00 -17.00
l.c.l. mills.....ton.17.00 -19.00
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bxs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l. ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .04½ Nom.
extra, loose.....lb. .04¼ Nom.
special, loose.....lb. .04⅛ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .04 - —
l.c.l. .....lb. .05 - —
50% (43% fat), dms., c.l., lb. .05½- —
l.c.l. .....lb. .06½- —
50% (49% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
Tamarind, No. 1, bbls.....lb. .07 - .08
Kegs .....keg. 6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.75 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 2.75 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago...unit-ton. 2.75 & .10
high-grade feeding, bulk Chicago..unit-ton. 2.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.p. ports, May shipt. unit-ton. 2.90 & .10

**Tansy leaves, bls.....lb. .22 - .23**
Tapioca flour, bgs.....lb. .03 - .04½
**Tar acid oil, 15%, dms., c.l., works..gal. .23 - —**
**l.c.l., same basis.....gal. .24 - —**
**25%, dms., c.l., works....gal. .26 - —**
**l.c.l., same basis.....gal. .28 - —**
**Tar, pine, retort, dms, c.l. dlvd. E. cities..gal. .27 - —**
**ports .....gal. .26 - —**
**l.c.l. .....gal. .27 - —**
**tanks, dlvd, E. cities....gal. 21. - —**
**Tarragon herb, bgs.....lb. .60 - .65**
**Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.**
**less than 5.....lb. .35 Nom.**
**powd., bbls., 5 or more..lb. .34¾ Nom.**
**less than 5.....lb. .35 Nom.**
**USP, powd., bbls.....lb. .40 Nom.**
**Terebene, cans.....lb. .70 - .75**
**Terpinyl acetate, cns.....lb. .82 - .85**
**Terpin hydrate, kgs.....lb. .60 - .65**
**Terpineol, CP, cns.....lb. .28 - —**
**dms .....lb. .26 - —**
**Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —**
**Terra alba (see Gypsum).**
**Tetrachloroethane, dms., wks..lb. .09 - .09¼**
**Tetrachloroethylene, CP, dms..lb. .21½- —**
**tech. (see Perchloroethylene).**
**Tetralin, dms.....lb. .13 - —**
**Tetrasodium pyrophosphate (see soda pyrophosphate).**
**Thallium sulphate, 99% pure, bots.. works..lb. 5.00 - 7.00**
Theobromine, dms.....lb. 2.25 Nom.
Sodiosalicylate, cns.....lb. 1.95 Nom.
dms. .....lb. 1.75 Nom.
5-lb. bots.....lb. 2.11 Nom.
**Thiocarbanilide, dms.....lb. .24 - —**
**Thorium, nitrate, cs., works..lb. 2.00 - —**
**Thyme, French, bls.....lb. .17 - .17½**
**Thymol, dms., 100 lbs.....lb. 1.50 - —**
**cns., 25 lbs.....lb. 1.55 - 1.60**
**Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30**
**25 lbs.....lb. 3.35 - 3.40**
**Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24**
**5% rotenone, bbls.....lb. .22 - .30**
Tin chloride (ous), anhyd.....lb. No price
Crystals, bbls., kgs.....lb. No price
Metal, Straits.....lb. .54 - —
Oxide, bbls.....lb. No price
Tetrachloride, anhyd., bbls...lb. .26½- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd....lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd....lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd. lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
**50-999 lbs., E. frt. pd. lb. .15 - —**
**Pac. Cst., ex whse. lb. .15 - —**
barium or magnesium base, bgs., c.l., D. frt. alld. lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
calcrum base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E., dlvd.lb. .06 - —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.50 - 1.60
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld., gal. .26½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla, and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90% dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07 - .07½
Madras, bgs.....lb. No stocks
**Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .32½- —**
**l.c.l., 10 ex dock.....gal. .34½- —**
**5 ex dock.....gal. .36½- —**
**wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —**
**l.c.l. .....gal. .28 - —**
**tanks, dlvd. E. cities..gal. .21 - —**
**steam-dist., dms., c.l., dlvd.gal. .28 - —**
**l.c.l., dlvd.....gal. .31 - —**
**tanks, dlvd.....gal. .23 - —**

# U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 3.05 - —
yellow, kgs.....lb. 2.00 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
40% N., bgs., smaller lots, f.o.b. N. Y. from whse, ton.101.00 - —
pure, cs.....lb. .12 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.50 - —
Urea, nitrogen, imported, 40% N., bgs..ton.56.25 - —
30% N., bgs.....ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

# V

Valerian root, bls.....lb. .75 - .80
domestic, bls.....lb. .40 - .45
Vanilla beans, Bourbon, tins..lb. 6.00 - 6.50
Mexican, tins.....lb. 6.50 - 7.00
cuts, tins.....lb. 6.00 - 6.25
South American, tins.....lb. 6.25 - 6.50
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .60 - .70
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

# W

**Wahoo bark, bls.....lb. .45 - .46**
**tree .....lb. .19 - .22**
Wattle bark, bgs., f.a.s.....ton.34.00 -33.75
**Extract, solid, bgs.....lb. .04¼- —**
**Wax, bayberry, import, bgs...lb. .22 - .23**
**Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .35 - —**
**cakes, 1 to 5 cs. lots...lb. .35 - —**
**discs, 1 to 5 cs. lots...lb. .37 - —**
**yellow, crude, Africa, 10-bg. lots..lb. .23 - .23½**
**1 bg.....lb. .23½- .24**
**Brazil, bgs, 5-ton lots..lb. .24 - .24½**
**1 ton.....lb. .24½- .25**
**500 lbs.....lb. .25 - .25½**
**100 lbs.....lb. .25½- .26**
refd., slabs, cs., lbs.....lb. .29 - .31
Wax, candelilla, bgs., 1 ton...lb. .18½- .19
**jobbing lots.....lb. .19 - .19½**
**Carnauba, No. 3 chalky, bgs., 1 ton..lb. .58 - .59**
**5 bgs.....lb. .58½- .59**
**1 bg.....lb. .59 - .60**
N. C., 2 bgs., 1 ton.....lb. .67 - .68
N. C., 3 bgs., 1 ton.....lb. .61 - .62
5 bgs.....lb. .61½- .62½
1 bg.....lb. .62 - .63
refined, bgs.....lb. .68 - .69
yellow, No. 1, bgs., 1 ton...lb. .74 - .75
5 bgs.....lb. .74½- .75½
1 bg.....lb. .75 - .76
No. 2, bgs.....lb. .73 - .74
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1 ton.....lb. .13½- .14
jobbings lots.....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l., dry-grd., blp., bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap, bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet.-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap, bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap, bags, c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
8-20 tons, works.....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
**Wild indigo root, bls.....lb. .13 - .14**
**Witch-hazel extract, dist., NF, bbls..gal. .40 - .45**
**leaves, bls.....lb. .07 - .09**
**Witherite (see Barium carbonate, natural).**
**Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00**
**80 mesh, same basis.....ton.26.00 -28.00**
**100 mesh, same basis.....ton.30.00 -32.00**
**import, 70 mesh, bgs., ex dock..ton. No prices**
**80 mesh, bgs., ex dock....ton. No prices**
**100 mesh, bgs., ex dock...ton. No prices**
**120 mesh, bgs., ex dock...ton. No prices**
**Wormseed, American, bgs.....lb. .07 - .08**
**Levant, bgs.....lb. 5.00 - 6.00**
Wormwood, bls.....lb. .18 - .20

# X

Xylol (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
5°, dms., returnable, works.gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
3°, dms., returnable, works.gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .36

# Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld..lb. .50 - —
smaller lots ,same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .56 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —

## Tansy Leaves—Zinc Oxide

Yellow chrome, C.P., open order, lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
Yellow, A, bbls., works., lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01½- —
French all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅝ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02⅝ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅜ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (See O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, via..oz. 2.85 - 4.00

# Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
**USP, 200-lb. dms.....lb. .26 - —**
**25-lb. jars.....lb. .31 - —**
**solution, 50%, dms., c.l., works..lb. .0290- —**
**l.c.l., works.....lb. .04 - .04½**
**tanks, works.....lb. .0225- —**
**Cyanide, kgs., works.....lb. .33 - —**
Dust, bbls., c.l., dlvd.....lb. .08 - —
l.c.l., bbls., dlvd.....lb. .08½- —
**Iodide, N.F., bots.....lb. 4.35 - —**
**jars .....lb. 4.20 - —**
**Fluoride, bbls.....lb. .20 - .25**
**Metal (see daily quotations in Market report).**
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06½- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
Leaded, 5%, bgs., c.l., dlvd, lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06⅝- —
35%, c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst, lb. .06¼- —
35%, bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. Coast..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd...lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd., lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst., lb. .06¾- .08

## Zinc Oxide—Lewisol

Zinc oxide, French process, green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst.lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst.lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst.lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst.lb. .09 - —
imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12⅜
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .23 - —
l.c.l., 1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
less than 1,000 lbs...lb. .26 - —
USP bbls.....lb. .24 - .26
Sulphate, cryst., bgs., c.l.....
100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works..lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

# Synthetic Resins
## and other
## Branded Paint Materials
### (Manufacturers' List Prices)

### A

Abalyn (methyl abietate), dms., lots of 10, works..lb. .10 - —
single dms., works.....lb. .12 - —
5-gal. cans, works.....lb. .17 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

### B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works, lb. .32 - —
15,000 lbs., works.....lb. .33 - —
5,000 lbs., works.....lb. .34 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
dispersion resin, BK, 3962 dms., 30,000 lbs., works..lb. .2490- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
XK, 6791, dms., 30,000 lbs., works..lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
11545, dms., 30,000 lbs. works. lb. .3050- —
15,000 lbs., works.....lb. .3150- —
5,000 lbs., works.....lb. .3250- —
12788, dms., 30,000 lbs., works, lbs. .3860- —
15,000 lbs., works.....lb. .3960- —
5,000 lbs., works.....lb. .4060- —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .28 - —
5,000 lbs., works.....lb. .29 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
XR, 3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9366, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
Bakelite, phenolic, 100%, BR, 254, bbls, 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .25 - —
15,000 lbs., works.....lb. .26 - —
5,000 lbs., works.....lb. .27 - —
2987, bbls., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .28 - —
1360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .37 - —
5,000 lbs., works.....lb. .38 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
6882, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .43 - —
5,000 lbs., works.....lb. .44 - —
6900, bbls., 30,000 lbs., works..lb. .41 - —
15,000 lbs., works.....lb. .42 - —
5,000 lbs., works.....lb. .43 - —
9432, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
12784, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .31 - —
5,000 lbs., works.....lb. .32 - —
13468, bbls., 30,000 lbs., works..lb. .19¾- —
15,000 lbs., works.....lb. .20¼- —
5,000 lbs., works.....lb. .20¾- —
XR, 1330, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .37 - —
5,000 lbs., works.....lb. .38 - —
9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
10282, bbls., 30,000 lbs., works..lb. .34 - —
15,000 lbs., works.....lb. .35 - —
5,000 lbs., works.....lb. .36 - —
modified, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2970- —
5,000 lbs., works.....lb. .3070- —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2175, cns., 30,000 lbs., works..lb. 2810- —
15,000 lbs., works.....lb. .2910- —
5,000 lbs., works.....lb. .3010- —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works..... lb. 2070-
2681, dms., 30,000 lbs. works..lb. .2520- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2620- —
6000, dms., 30,000 lbs., works, lb. .2970- —
15,000 lbs., works..... lb. .3070- —
5,000 lbs., works..... lb. .3170- —
13218, dms., 30,000 lbs., works..lb. .2670- —
15,000 lbs., works.....lb. .2720- —
5,000 lbs., works.....lb. .2770- —
13895, dms., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .2350- —
5,000 lbs., works.....lb. .24 - —

Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .11 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd.....lb. .11½- —
P-147, dms., 1-9, frt. pd.....lb. .12 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
1123, dms., 1-9, frt. pd.....lb. .14½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .12 - —
P-138, dms., 1-9, frt. pd.....lb. .21½- —
P-196, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .36 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .16½- —
No. 27, light, dms., 1-9. frt. pd., lb. .18½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms, 1-9, frt. pd..lb. .11½- —
1501, dms., 1-9, frt. pd.....lb. .12½- —
Solid, 1, dms., 1-9, frt. pd...lb. .27 - —
3, dms., 1-9, frt. pd.....lb. .23 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .23 - —
19, dms., 1-9, frt. pd.....lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .22 - —
40, dms., 1-9, frt. pl.....lb. .19 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .09½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .13½- —
1304, dms., 1-9, frt. pd..lb. .13½- —
1320, dms., 1-9, frt. pd..lb. .14 - —
1325, dms., 1-9, frt. pd..lb. .13 - —
1328, dms., 1-9, frt. pd..lb. .12 - —
1329, dms., 1-9, frt. pd..lb. .12 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .14½- —
2, dms., 1-9, frt. pd.....lb. .14 - —
1316, dms., 1-9, frt. pd..lb. .15½- —
1326, dms., 1-9, frt. pd..lb. .15 - —
phenol, pure, alkyd, 1306, dms., 1-9, frt. pd..lb. .12½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd..lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .14½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .13½- —
light, dms., 1-9, frt. pd..lb. .12½- —
1318, dms., 1-9, frt. pd..lb. .17½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd..lb. .13½- —
1324, dms., 1-9, frt. pd..lb. .25½- —
1331, dms., 1-9, frt. pd..lb. .12½- —
1332, dms., 1-9, frt. pd..lb. .12 - —
1333, dms., 1-9, frt. pd..lb. .15½- —
1334, dms., 1-9, frt. pd..lb. .13¼- —
P-7, dms., 1-9, frt. pd..lb. .14½- —
P-48, dms., 1-9 frt. pd..lb. .12½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —
P-236, dms., 1-9 frt. pd..lb. .13 - —

**Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1¼c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.**

### C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .06 - —
HDX, dms., gross weight, works..lb. .05¼- —
MH, col. 1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
9, dms., works.....lb. .06½- —
Cumar, MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 8 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col., ½, dms., works..lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald., with Pittsburgh; prices on contracts terminating Dec., 1940, are ¼c. per pound lower.

Cyrene resin, LX-228, 90-110 C, col. 3-3½, dms..lb. .45 - —
LX-229, 125-140 C, col. 3-4, dms..lb. .35 - —
LX-230, 125-140 C, col. 2-3, dms..lb. 1.10 - —
LX-231, 145-160 C, col. 2-3, dms..lb. .90 - —

Prices are 5c. per lb. additional for less than full drum shipments and are f.o.b. Neville Island, Pa.

### D

Durite, 1,301 pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

### E

Esterol, solid, Grade A, c.l., dlvd. lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
B, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
D, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
H-1, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
PV, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
1-L, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
575, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .23¾- —
9 dms. or less, dlvd....lb. .24½- —
701, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
750, c.l., dlvd.....lb. .21 - —
10 dms. or more, dlvd....lb. .21¾- —
9 dms. or less, dlvd....lb. .22½- —
809, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
830, c.l., dlvd.....lb. .22½- —
10 dms. or more, dlvd....lb. .23¼- —
9 dms. or less, dlvd....lb. .24 - —
Solution, Grade A, c.l., dlvd..lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
B, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
D, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
E, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
Esterol, solution, H-1, c.l., dlvd. lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
PV, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
1-L, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
562, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
575, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
640-N, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
660-N, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
701, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
747, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
750, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
809, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
830, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
1800, c.l., dlvd.....lb. .12¼- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd....lb. .13¼- —
1825, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
2185, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11¼- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd....lb. .12½- —
2600, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —

Esterol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind. St. Louis, Mo., Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis), Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

### G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11¼- —
Gual-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

### H

Hercolyn (hydrogenated methyl abietate), dms., lots of 10, works..lb. .15 - —
single dms., works.....lb. .17 - —
cns. works.....lb. .22 - —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .14 - —
l.c.l., 10 dms., frt. pd.....lb. .14½- —
1-9 dms., frt. pd.....lb. .15 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

### J

Jozite (see zinc-iron oxide pigment in regular price list above).

### K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies..lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07½- —
l.c.l., dlvd. E. of Rockies, lb. .07¾- —
Pac. coast, ex whse....lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse....lb. .08 - —
Katalised oil, 666, dms., c.l., frt. pd..lb. .23½- —
l.c.l., frt. pd.....lb. .23 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt. pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

### L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .11¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11¾- —
smaller quantities, dlvd.lb. .12¼- —
No. 2, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 2L, c.l., dlvd.....lb. .12¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12¾- —
smaller quantities, dlvd.lb. .13¼- —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 24, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 28, c.l., dlvd.....lb. .12 - —
l.c.l., 8 dms., dlvd.....lb. .12½- —
1-7 dms., dlvd.....lb. .13 - —
No. 33, c.l., dlvd.....lb. .12 - —
l.c.l., 8 dms., dlvd.....lb. .12½- —
1-7 dms., dlvd.....lb. .13 - —
Modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18¼- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11¼- —

Lewisol, modified, phenolics, No. 120, c.l., dlvd..lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

**N**

Nevillac, pale, hard, dms., works, lb. .16 - —
hard, 85-95° C, dms., works..lb. .15 - —
soft, 65-75° C, dms., works..lb. .15 - —
Nevillac prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .13 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .06½- —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10½- —
465, 110-125° C., dms., gross weight, works..lb. .03 - —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 1, water-white, 100-lb. dms., works..lb. .65 - —
No. 2, prime-white, 100-lb. dms., works..lb. .55 - —
No. 3, very light straw, 100-lb. dms., works..lb. .50 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms., works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —

Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .26 - —
11½%, 100-lb. pkgs.....lb. .47½- —
cobalt acetate, 100-lb. pkgs., lb. .71 - —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs....lb. .12½- .13½
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¼- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .27 - —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs., lb. .13 - .14
10½%, 100-lb. pkgs.....lb. .21¾- —
zinc, 8%, 400-lb. pkgs.....lb. .14 - —
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —
Nuodite, cobalt, 18%, 100-lb. pkgs..lb. .64 - —
lead, 64%, 100-lb, pkgs.....lb. .23 - —
manganese, 24%, 100-lb. pkgs, lb. .39 - —

All prices are f.o.b. customers' plants, East of Denver.

**P**

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —

Paradene prices on contract, terminating Dec., 1940, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25½- —
10 pkgs. or more, dlvd.....lb. .26½- —
9 pkgs. or less, dlvd.....lb. .27½- —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-P, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
Parudura, 367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540; c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —

Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs or less, dlvd.....lb. .15½- —
Extra hard, No. 2, c.l., dlvd.lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 2, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
100, c.l., dlvd.....lb. .15½- —
10 pkgs or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105, extra light, c.l., dlvd..lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
105, dark, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-B, extra light, c.l., dlvd.lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
800, dark, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
850, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
900, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
1574, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1700, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1639, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —

1640, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1650, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
LB, No. 1, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 5, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 80, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
LN, 100, c.l., dlvd.....lb. 13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —

Paradura and paranol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind., St. Louis, Mo.; Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis); Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

Phenester, color 3½-5, dms., works..lb. .17 - —
P.H.C., dms., works.....lb. .19 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
P1235, ton lots, works.....lb. .67 - —
smaller lots, works.....lb. .70 - .74
P1269, ton lots, works.....lb. .67 - —
smaller lots, works.....lb. .70 - .74
Resin, clear, ton lots, works.lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 40, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

**R**

Resinous oil, No. XI, dms., works..lb. .019 - —

**S**

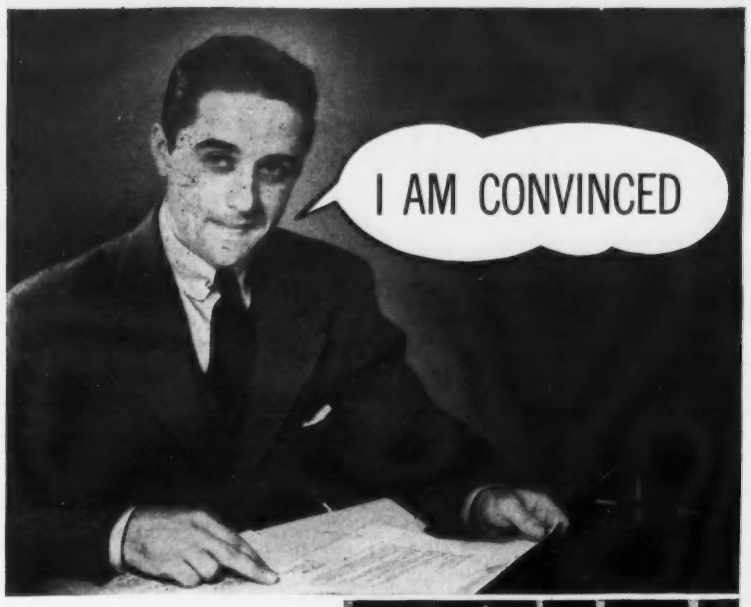
Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1003, dms., 1-9, frt. pd....lb. .30 - —
2000, dms., 1-9, frt. pd....lb. .26 - —
2050, dms., 1-9, frt. pd....lb. .23 - —
2667, dms., 1-9, frt. pd....lb. .21 - —
2668, dms., 1-9, frt. pd.....lb. .15 - —
3000, dms., 1-9, frt. pd....lb. .48 - —
3005, dms., 1-9, frt. pd....lb. .45 - —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005 where 10 dms. are 1½c. less and carloads 3c.; prices subject same geographical differentials as beckacite.

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.40.00 - —
MM, bgs., c.l., frt. alld., up to 25c. per 100 lbs..ton.38.00 - —

Syntex resin, 1-CH, 1-9 dms.. 100 lbs.20.00 - —
13, 1-9 dms.....100 lbs.14.50 - —
14, 1-9 dms.....100 lbs.15.00 - —
17, 1-9 dms.....100 lbs.13.25 - —
18, 1-9 dms.....100 lbs.14.75 - —
19-A, 1-9 dms.....100 lbs.15.25 - —
20-A, 1-9 dms.....100 lbs.15.25 - —
21-B, 1-9 dms.....100 lbs.13.25 - —
22, 1-9 dms.....100 lbs.15.00 - —
23, 1-9 dms.....100 lbs.13.25 - —

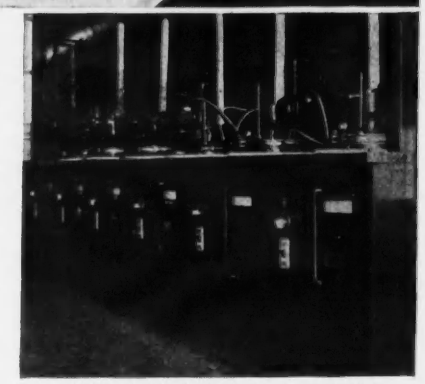
—*Continued on page* 36


I visited the new General Electric Glyptal Laboratories last week. The equipment in those Laboratories convinced me that General Electric is sparing no pains to produce in Glyptals the finest alkyd resins obtainable.

•

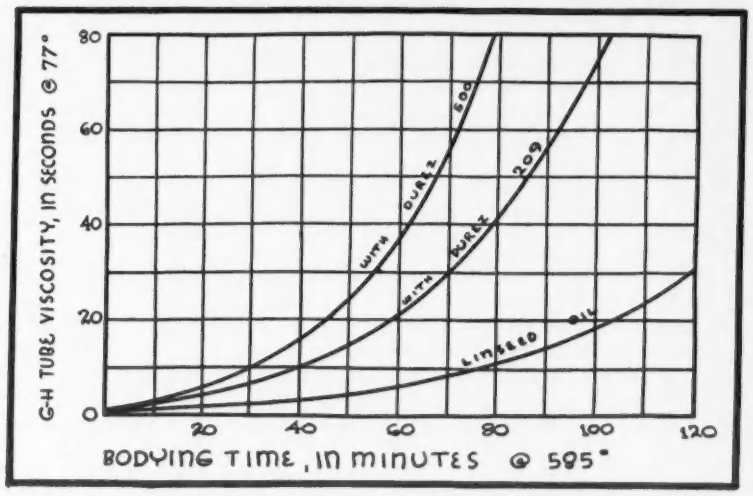
*Do you have a General Electric Glyptal Catalog? If you don't, just write to Section M-0526, Appliance and Merchandise Department, General Electric Company, Bridgeport, Conn.*



Some of the electrically-heated and -controlled reaction units in the new G-E Glyptal Laboratories.

GENERAL ELECTRIC

LINSEED BODYING TIME **CUT 25%**

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## More Tax or Real Work

As was inevitable in the belated governmental interest in national defense Congress has begun to consider means of raising the additional revenue required to finance the proposed preparedness. Quite naturally the levying of new taxes is one of the means discussed. The only unexpected aspect of this is the relatively small part of the revenue which it is being proposed to raise by means of taxation.

The proposal that the remainder of the contemplated first year's expenditures for defense be met by an increase in the limit of the national debt is not a desirable one. The necessity for such a step does not stand thorough analysis in the face of the fact that at least as much money is still to be devoted to the various forms of governmental relief.

Statesmanship of the character which these times demand could contrive to make the expenditures for defense preparedness carry in real work all the relief which is said to be necessary because of unemployment. The simple means would be to make all employables go to work, either in the providing of materials of defense, or, if not fitted for that, in replacing in other lines those who are qualified. In this manner it should be possible also to avoid for some time, at least, the levying of additional taxes.

Defense preparedness is a national duty. Those who are living on national funds should all be put to it, by voluntary enlistment or by conscription, even and especially those who now derive their livelihood from the bossing of relief work or other applications of relief funds. The times demand an end of all boondoggling and of all more useful made work the necessity and value of which are locally constricted.

The Federal government has a big and important job to do for the nation. It cannot afford to support in any other manner those who are able to help do the job in whatsoever minor or limited capacity. That is the job to be done. And the way to get it done is to transfer the billions of relief dollars to a new WPA—War Preparedness Activity—with the accent on the last word.

## Industrial Mobilization

Almost since the termination of the World War the United States departments of the army and the navy have been at work constructing and reconstructing a plan of industrial mobilization for application in time of jeopardy to the national defense. Now that this time appears to be imminent it seems that all this work, carried on with a measure of cooperation by industry and with a study of industrial resources and potentialities by officers selected from the defense services, is to be set aside and the gigantic and important task of mobilizing industry is to be entrusted to the Secretary of Commerce and the Secretary of the Treasury.

Theoretically the liaison agency of government in its relations with industry should be the Department of Commerce, but—theoretically is as far as this goes to the essentials of such relationship. The Department of Labor has a bigger part, and the Federal Trade Commission, the National Labor Relations Board, and other agencies all are of more importance insofar as their influences would affect the fitting of industry and commerce to the needs of national defense.

The army and the navy should know what they want. It is to be assumed that, through their years of study, they have arrived at a fairly adequate knowledge of how to get what they need. Their plan calls for resources boards representing the various essential industries and for a generally representative board for coordination. The last is by far the most important agency in any plan for the enlistment of industry in a program of national defense.

True, business leaders are to be called into conference in the task of industrial mobilization—a few good ones have been named to an advisory board—but it appears that their role is to be merely advisory; they will be asked to try to see that the various governmental agencies which are trying to get necessary things or to see that these are got do not too obstructively get in each other's way—or hair. What a handful that job would be!

The Business Advisory Council of the Department of Commerce has expressed its recognition of "the need for complete unity in the cooperation of all of our country's vital forces" and has pledged its full aid to that end. If that full aid is to be made properly available and effective, industry must have something more than a mere advisory and coordinating role. It must be in position to learn at first hand what is needed and to go about the providing thereof as it alone knows how.

—O-P-D—

## Stopping an Economic Loss

Business is coming to a more adequate recognition of the fact that the health of its personnel is of fundamental interest. The latest manifestation of this is in the conference on sick absenteeism in industry recently held in Mellon Institute for Industrial Research. One reason why the matter is getting attention is to be found in the statement that 120,000,000 workdays are lost annually through illness. The cost of such loss and its effect on production schedules, especially in times of emergency operations, make the cause and its remedying fully deserving of all possible consideration.

Health safeguards and care are as much a part of proper industrial policy and practice as are accident prevention and first-aid facilities. Such practices are economically sound, primarily because they pay in direct savings. Their social value, especially with respect to employer-employee relations, also makes them desirable. There is nothing radical or communistic about them, nothing socialistic in the common, deprecatory sense of that term; although they may properly be called socialistic in the sense of worthwhile social service.

The actual character of such practices depends, as does that of other social services, on the manner in which they are applied and the agency of their application. Medical care, preventive and curative, directed to the avoidance of industrial or commercial losses through sickness, is no more a proper function of government than is medical care as a general practice. But, in both instances, governmental meddlers are ready to step in if private intelligence fails to grasp its duty and private enterprise fails to do what is necessary for its own good.

The study of sick absenteeism in industry of which the Mellon conference was a part is being conducted by the Air Hygiene Foundation. This agency is being assisted by the Association of Industrial Physicians and Surgeons. The United States Public Health Service also is participating, and to this extent governmental participation is desirable and useful, as is the part taken by the United States Bureau of Mines in connection with accident prevention and other safety programs in the field of industry with which its functions in general are concerned.

Government has a part in most types of social service. Its part is that of adviser and coordinator, both of which are useful and necessary. But, business manifests essential wisdom when, as is purposed in the sick absenteeism program, it undertakes the work and endeavors to demonstrate its ability to perform it properly and effectively. This wisdom has a place now in the larger movement for the improvement of medical care.

—O-P-D—

## Lopsided Reciprocal Trade

Most of those who come back from trade surveys in Latin America bring with them a deal of support for the opinion which they set out to prove. Because they are primarily interested in selling to Latin America, they find that there is a desire there for what they have to sell. But, they do not find an adequate purchasing power.

Naturally these potential sellers endeavor to create among others an interest in the providing of Latin America with the wherewithall for the purchasing of their wares. They urge the providing of credit—by somebody else—but do not mention the riskiness of lending money to somebody who is not in position to sell you something in return because he has nothing that you want and who cannot get money by selling to others because they are not in position to buy.

And so the potential sellers argue that the solution is to buy more goods from Latin America. But, their idea of such reciprocal trade is to take something for which there is little, if any, need in return for something that Latin America does need. That is no better than taking wooden nickels. Tourist trade is a far better swap for goods exported to Latin America.

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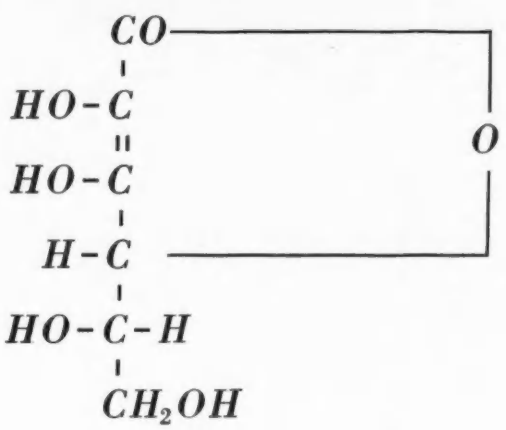


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# Heavy Chemicals

**Demand Routine — Seasonal Chemicals Move Satisfactorily —Exports Level Off — Imported Soda Silicofluoride Up —Potash Salts Firm—Electrolytic Copper Advanced**

Demand for industrial chemicals was routine last week. The intervening holiday and month-end influences were not conducive to broader buying. News from abroad was also a factor in restricting forward commitments. Exports continue to display some leveling off from the peak levels, particularly to countries directly affected by the spread of hostilities. Imports on the other hand were curtailed or shut off completely from these sources. Seasonal chemicals moved in a normal manner. Prices lacked any important changes, and the tone of the market held firm.

Many seasonal chemicals enjoyed a satisfactory demand after several weeks of retarded shipments. Among chemicals reported moving in normal volume include ammonia anhydrous, calcium chloride, carbon dioxide, carbon tetrachloride, chlorine, copper sulphate, lime, soda, chlorate, refined sulphur, lead arsenate and paradichlorobenzene.

Potash salts were firm and in steady demand. Carbonate and caustic potash were well taken against domestic contracts with little available for export. Supplies of potash chlorate were adequate for normal needs, while the position of permanganate of potash was more favorable than previously.

**Alums.**—Market tone was firm and prices unchanged. Demand steady.

**Alumina Sulphate.** — Satisfactory buying from most consuming channels. Prices unaltered and firm.

**Ammonia, Anhydrous.** — Normal withdrawals against contracts. Prices firm.

**Ammonia, Aqua.**—Consumers made necessary replacements only. No change in the quotations.

**Ammonia Bicarbonate.**—Withdrawals routine. Prices rule firm.

**Ammonia Bifluoride.**—Fair demand. Market lacked any price developments.

**Ammonia Nitrate.** — Moderate inquiry. Pricewise a firm tone prevailed.

**Ammonia Perchlorate.** — Shipments held to regular channels. Prices firm.

**Ammonia Persulphate.** — Modest quantities made up the call. Prices the same.

**Ammonia Silicofluoride.** — Market quiet. Imported stocks limited.

**Ammonia Sulphide.**—Buying moderate. Price tone steady to firm.

**Ammoniac, Sal.** — Shipments fair. Market position satisfactory and prices the same. Treasury Department has approved amendment to federal specification for sal ammoniac to become effective August 15. Copies (it is O-A-491) may be procured from Superintendent of Documents, Government Printing Office, Washington, at 5 cents each.

**Antimony.**—Small lots usually were the rule. Domestic spot metal unchanged.

**Antimony Oxide.**—Business lacked broadening. Quotations held unchanged.

**Arsenic.**—Stocks of red limited and prices withdrawn. Moderate demand for white, with prices well sustained.

**Barium Salts.**—Prices maintained at firm levels. Shipments confined to moderate proportions.

**Bleaching Powder.** — Interest routine. Prices without change.

**Calcium Acetate.**—Firm price tone, with consumers making necessary commitments only.

**Calcium Carbide.**—Demand moderate. Quotations continue firm.

**Calcium Chloride.** — Movement for dust control purposes well under way. Other demand satisfactory. Prices firm at the levels established recently.

**Carbon Dioxide.**—Normal seasonal movement to beverage trade and other channels. Prices firm.

**Carbon Tetrachloride.** — Shipments for dry cleaning and solvent purposes satisfactory. No change in the prices.

**Chlorine.**—Buying held at moderate levels. Market position favorable and quotations without alteration.

**Cobalt Oxide.**—Offerings limited to regular channels, stocks sufficient to take care of nearby needs. Quotations firm.

**Copper.** — Purchase by France of 75,000 tons of copper provided the feature to the market. Domestic demand moderate. Smelters and producers quote 11½c. per pound; outside market, 11½c., and export around 11¼c. to 11⅜c. per pound.

**Copper Salts.** — No new price developments. Buying spotty and conservative.

**Copper Sulphate.**—Shipments moved at a good pace in most directions. Market position strong and prices firm.

**Copperas.** — Prices firm; supplies adequate to take care of regular consumers' requirements.

**Feldspar.**—Trading narrow. Pricewise no new developments took place.

**Fluorspar.** — Shipments moderately active. Prices well sustained.

**Glauber's Salt.**—Withdrawals spotty. Market lacked any price change.

**Lead Acetate.**—Commitments routine. Prices unaltered.

**Lead Nitrate.** — Demand only fair. Quotations ruled firm.

**Lime.**—Movement for agricultural purposes along normal lines, commercial interest irregular. Prices unchanged.

**Magnesite.** — Satisfactory inquiry. Prices remain unchanged and firm.

### Price Changes

**Advanced**

Copper, electrolytic, ¼c. per lb.
Soda, silicofluoride, imp., ¼c. per lb.
Tin, Straits, ½c. per lb.
tetrachloride, anhy., ½c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **150.8** | **150.8** | **150.8** | **146.6** |

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **101.6** | **101.6** | **101.6** | **99.6** |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

*Purchasing Agents, June 3-6, Cincinnati.*
*Manufacturing Chemists, June 6, Skytop.*
*Synthetic Organic C.M.A. outing, June 6-7, Skytop.*
*Insecticides and Disinfectants, June 17-19, Lake Wawasee.*
*DCAT outing, Oct. 18-19, Skytop.*
*Pest Control Association, Oct. 28-30, Indianapolis.*

**Manganese Salts.**—Prices were without change. Withdrawals were generally of a routine character.

**Nickel Salts.**—Buying was steady in most directions. Prices firm.

**Phosphorus.**—Demand routine from regular consuming channels. Quotations without change.

**Potash Carbonate.** — Market firm. Shipments against contracts steady.

**Potash, Caustic.**—Consumers made steady replacements to keep the market in a strong position. Prices unchanged.

**Potash Chlorate.**—Supplies of imported adequate for normal requirements. Market firm and quotations unchanged.

**Potash Permanganate.** — Buying steady and position of the market favorable. Prices rule firm.

**Salt.** — Business lacked much improvement. Pricewise no change occurred, and a steady to firm tone prevailed.

**Saltcake.**—Quotations nominal. Imported material curtailed, but supplies of domestic adequate.

**Saltpeter.** — Firm price tone, with activity moderate.

**Soda Acetate.**—Business routine. No change disclosed in the prices.

**Soda Ash.**—Buying moderate against contracts. Normal export inquiry. Prices without change.

**Soda Bicarbonate.** — Steady call from usual channels. Quotations steady to firm.

**Soda Bisulphite.**—Prices the same, shipments remain routine.

**Soda, Caustic.**—Demand moderately active. Satisfactory export interest. Prices unaltered.

**Soda Chlorate.**—Call for weed killing purposes about normal. Prices lack any change.

**Soda Cyanide.**—Shipments against contract steady.

**Soda Fluoride.** — Market devoid of any new developments. Prices unchanged.

**Soda Hydrosulphite.** — Steady call. Pricewise a firm tone prevailed.

**Soda Metasilicate.** — Moderate interest. Price rule firm.

**Soda Nitrite.** — Buying irregular. Quotations well maintained.

**Soda Phosphate.** — Shipments routine. No new price developments were disclosed.

**Soda Silicate.**—Consumers entered market for fair size replacements. Prices unchanged and firm.

**Soda Silicofluoride.**—Imported ¼c. higher, ranging from 7¾c. to 8c. per pound, spot stocks limited and future supplies uncertain.

**Soda Sulphite.**—Fair demand. Pricewise a firm tone prevailed.

**Sulphur, Refined.**—Normal seasonal demand from agricultural sources, with other users making moderate commitments. Price tone firm.

**Tin Salts.**—Anhydrous tetrachloride of tin advanced ½c. to 26½c. per pound. Quotations for tin crystals and anhydrous stannous chloride were not available. Straits metal closed at 54c. per pound. The International Tin Committee raised the quota for the third quarter from 80 percent to 100 percent. The committee urged exporting countries to grant permits for export to commence immediately.

**Zinc Carbonate.**—Trading only fair. Quotations without change.

**Zinc Chloride.**—Prices firm and demand moderate.

**Zinc Sulphate.** — Routine interest against contracts. Prices firm.

*—Continued on page 28*

## Beach Soap Company Buys George E. Marsh Company

The Beach Soap Company Lawrence, Mass., has purchased the inventory, trade names and good will of the George E. Marsh Company and Lysander Kemp & Sons Corporation from the Consolidated Rendering Company, Boston, according to A. L. Mercer, president of the Beach Company.

The Beach company plans to continue to manufacture the present Marsh and Kemp brands of soap from the Beach plant. C. F. Mudgett, superintendent of the George E. Marsh Company, will transfer to the Beach Company. The Eastern sales representatives Alfred Cowan, Frank E. Allen and Fletcher S. Lawson, will become a part of the field personnel of either the Beach Soap Company or the parent company Cowles Detergent Company, Cleveland, of which Mr. Mercer is also president.

## Mineral Mining Rights Bill Recommitted in Senate

*OPD Washington Bureau*
*May 27, 1940*

The bill (H. R. 6560) defining the procedure of filing placer mining claims for certain mineral deposits on the public domain was returned today to the senate committee on public lands and surveys. The minerals concerned are phosphate, sodium, potassium, oil shale, and gas.

Senator Carl Hatch, of New Mexico, declared the purpose of recommittal was to make some corrections in the amendments added by the committe when it reported the bill May 15. He did not say what the proposed corrections would be. The amendments deal principally with the fact that the filing of placer claims shall be prima facie evidence that the claimants performed labor and made improvements on their lands.

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**Chlorine** production is being considered in Argentina by the Argentine Obras Sanitarias de la Nacion (the government sanitary works department) by the erection of an electrolytic alkali plant with an annual capacity of 500 metric tons of chlorine.

## *Trade Briefs*

**Socony-Vacuum Oil** Company will build a six-inch pipe line from Buffalo to Syracuse at a cost of $70,000.

**Harry L. Derby,** president of the American Cyanamid & Chemical Corporation, this city, is chairman of the Montclair, N. J., war emergency relief drive for the Red Cross.

**Farmers' Chemical** Company has been incorporated in Buffalo with a capital of $25,000. Incorporators are Hugh B. Young, Amelia L. Young and Fanny T. Locke, all of Buffalo.

**Louis Lawton,** former Buffalo manager of the Great Lakes Towing Company, will direct Great Lakes marine sales for the National Refining Company. He succeeds F. S. Hutchinson.

**Carl O. Olson,** vice-president of Bingham & Co., import sales agency, this city, is leaving June 8 for an extended trip of the Pacific coast. He will return the latter part of July.

**Vanadium oxide** is being recovered from bauxite by the Montecatini Company, Italy. This plant is expected to cover one-third of the Italian requirements of vanadium oxide.

**Laboratory stoppers** made of neoprene are described in a new folder issued by the R. W. Rhoades Metaline Company, Long Island City, N. Y. The folder contains also descriptions and specifications covering stoppers made of gray, red antimony, and floating pure gum rubber; also Kjeldahl stoppers and Bailey and Walter crucible holders. Copies may be obtained at request.

**Metal-mining practices** of a large number of operators in the United States and other countries are described in a bulletin of the United States Bureau of Mines by C. F. Jackson and J. H. Hedges. Copies of the bulletin (No. 419), an illustrated volume of 512 pages, may be purchased from the Superintendent of Documents, Government Printing Office, Washington, at 60 cents each.

**Natural gas** as a chemical raw material is disclosed in information circular 7108 of the United States Bureau of Mines. The circular, prepared by Harold M. Smith, covers the composition and general uses of natural gas, the four chief methods of its conversion into other products, and the compounds which can be produced. Copies may be obtained free from the bureau's section of publications, Washington.


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# Heavy Chemicals

*—Continued from page 27*

## Acids

Business in the market for mineral acids was routine last week. Buying was steady in the majority of instances, but commitments were restricted to meet current requirements as a rule. A firmer tone prevailed in acetic acid. Shipments of oxalic were limited to regular channels. Upturn in steel operations was a favorable factor for sulphuric. The market was without any price fluctuation, and the general tone was steady to firm.

**Acetic.** — Withdrawals moderate. Prices unchanged and firm.

**Battery.** — Shipments routine. No change in the prices.

**Chromic.** — Buying steady. Prices rule firm.

**Formic.**—Interest only fair. Quotations unaltered.

**Gallic.** — Market strong. Dealings conservative.

**Hydrofluoric.** — Firm price tone, with withdrawals moderate.

**Lactic.** — Business irregular. No change disclosed in the prices.

**Muriatic.** — Moderate replacement buying. Prices rule firm.

**Naphthenic.** — Quotations nominal. Interest steady from regular channels.

**Nitric.**—Prices unchanged and firm. Shipments moderately active.

**Oxalic.** — Withdrawals confined to regular channels. Prices firm.

**Phosphoric.**—Small quantities made up the call. Prices unchanged.

**Sulphuric.**—Buying remained moderate, however, upturn in steel operations was a favorable factor. Prices continued unchanged and firm.

**Tannic.** — Market position strong. Transactions fair.

**Baltimore,** May 28.—Market offered no new developments. Producers and buyers maintain a cautious attitude. Prices stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum figures at $17 per ton for 20 percent stocks.

## Insecticides

Shipments of agricultural insecticides and fungicides moved in a more normal fashion last week. However, wet weather in many sections was a retarding factor. Planting in several cotton states has been held up by inclement weather, and demand for calcium arsenate has been slow in materializing. Insects this year are getting underway later than usual east of the Rocky Mountains where Spring has been slow in coming. West of the Rockies they are off to an early start, according to the Department of Agriculture report. The market lacked any new price changes, and a steady to firm tone prevailed.

**Bordeaux Mixture.** — Moderate interest. Prices rule unchanged.

**Calcium Arsenate.** — Fair demand, season in South slow in getting underway. Prices remain firm.

**Lead Arsenate.**—Shipments normal. Pricewise no new developments took place.

**Nicotine Sulphate.**—Small quantities made up the call. Prices rule unchanged.

**Paradichlorobenzene.** — Business moderately active. Prices the same.

**Paris Green.**—Demand fair. Quotations without change.

**Soda Arsenate.** — Consumers made necessary commitments as a rule. Prices well maintained.

**R. Park Lamborn,** of the Kennecott Copper Corporation, has been nominated for the second vice-presidency of the Purchasing Agents' Association of New York.

# *Agricultural Insecticide Price-Fixing Charged*

*—Continued from page 3*

which trade policies and prices were established; the association compiled and distributed to the respondent members and "cooperating" companies white lists or "Distributor Guides" containing names of dealers to whom to sell on a wholesale basis to the exclusion of other dealers; and the association assisted in policing the respondent members and the "cooperating" respondents in enforcing the use of the white lists.

In further pursuance of the understandings and agreements, it is alleged, the association compiled and distributed to members and "cooperating" respondents' lists of dealers to be recognized as retail dealers to the exclusion of other dealers, and maintained an open price-filing system whereby it relayed to the respondent members and "cooperating" companies advance notice of immediate and future price rises and declines.

It is alleged that results of these activities have been the suppression of competition in the interstate sale of the respondents' products; empowering the respondents to control the market and enhance prices; and a tendency to create a monopoly in the respondents, all in violation of the Federal Trade Commission act.

### 'Atlacide' Incorrectly Credited In *Green Book* Trade Names

"Atlacide" is inadvertently lisited incorrectly as to ownership in the trade names section of the 1939-40 edition of the *Green Book* buyers' directory. "Atlacide" is the trade name for a chlorate compound, and is employed as a herbicide and weed killer. It is manufactured by the Chipman Chemical Company, Bound Brook, N. J., and not as indicated in the list. The Chipman company in addition to "Atlacide" manufactures a wide line of insecticides, fungicides, weed killers, and paints.

### New Degreasing Solvent Offered by DuPont Company

A new concentrated degreasing solvent with unique grease-emulsifying properties is announced by the E. I. du Pont de Nemours & Co., Wilmington, Del. Called Dissolvo, it will be distributed with other products in the No. 7 line of chemical specialties. Diluted with varying amounts of kerosene or fuel oil, a gallon of the new cleaner is said to produce from four to eight gallons of degreasing fluid. Its uses include cleaning garage floors, grease pits, cement driveways, motors, chassis, auto parts, tools and garage equipment. It is described as noninflammable and as harmless to metals.

**U. S. Gypsum** Company plans the construction of an addition to its Chicago plant at a cost of $100,000.

POTASSIUM METABISULPHITE
DELIVERIES FROM SPOT STOCKS
JUNGMANN & CO.
INCORPORATED
157 CHAMBERS STREET
TEL. BARCLAY 7-5128-30 NEW YORK CITY

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio
Successors to The J. H. R. Products Co. *Send for informative booklet*

WE BUY
RESIDUES — SLIMES — SLAGS
CONTAINING:
NICKEL TIN CADMIUM, etc.
BISMUTH COBALT VANADIUM, etc.
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# Dyestuffs, Textile and Leather Chemicals

**Tanners Corn Sugar, Dextrin and Starch Prices Advanced—Zinc Dust Firmer—Raw Tanning Materials Unchanged—Red Potash Prussiate Scarce — Dyestuffs Quiet**

Business in the market for dyestuffs, textile and leather chemicals continued narrow last week. The policy of buying only necessary requirements still prevailed in practically all divisions. Activity in the leather and textile industries lacked much improvement, however, the government defense program was expected to bring a decided stimulus to both cotton and wool goods. Prices were maintained at firm levels, with the only change occurring in corn derivatives.

Quotations for tanners corn sugar, starch and dextrin were advanced in conformity with the higher prices for the raw commodity. Sellers were accepting orders, subject to confirmation, at previous prices until June 6. A firmer price tone prevailed in domestic and imported egg products, but no actual change took place. Potash prussiate red remained a firm feature, with stocks rather limited. Withdrawals of bichromates for domestic account were more in line with actual needs. Zinc dust prices were higher as recorded late the preceding period. Natural dyestuffs were firm with trading strictly routine. Tanning materials were dull and lacked any price changes.

## Chemicals

**Alumina Acetate.** — Fair interest. Pricewise a firm tone prevailed.

**Alumina Chloride.**—Market experienced no broadening in the demand. Prices the same.

**Ammonia Acetate.**—Consumers made only necessary commitments. Quotations rule firm.

**Antimony Salts.**—Small lots made up the call. Prices unaltered.

**Chrome Acetate.**—Trading conservative. No change occurred in the prices.

**Potash Bichromate.** — Shipments against contracts moderate. Fair export inquiry. Prices firm.

**Potash Prussiate.** — Supplies of red limited and market firm. Shipments of yellow routine. Prices unchanged.

**Soda Bichromate.** — Consumers made withdrawals more in line with actual needs. Satisfactory export inquiry. Price tone firm.

**Soda Prussiate.** — Dealings routine. Quotations rule unchanged and firm.

**Sulphonated Oils.** — Transactions only fair. Quotations steady to firm.

**Zinc Dust.**—Prices firm at the levels established late the preceding period. Demand moderate.

## Dyestuffs

**Annatto.**—Dealings light. Prices unchanged. The Winter crop harvest in Ecuador was reported at about 20 metric tons less than in the Winter of 1938-39, and exports were some 35 tons less.

**Cochineal.**—Firm market. Business routine.

**Fustic.**—Fair inquiry. No change reported in the prices.

**Hypernic.**—Trading moderate. Prices hold firm.

**Indigo.**—Market quiet. Pricewise no new developments occurred.

**Logwood.** — Transactions strictly routine. Quotations firm.

**Turmeric.** — Stocks limited, market position firm and prices unchanged.

## Sizing Materials

**Albumen, Blood.** — Demand steady. Prices without change and firm.

**Albumen, Egg.**—Business fair. Domestic and imported prices steady and unchanged.

**Corn Sugar.**—Prices 10c. higher, reflecting strength in corn market. Moderate demand.

**Dextrin, Corn.** — Market advanced 10c. per 100 pounds for all grades. Fair interest. Visible supplies corn week ended May 25 decreased 4,239,000 bushels.

**Dextrin Potato.**—Prices firm and unchanged. Moderate buying.

**Egg Yolk.**—Market quiet. A firmer undertone was discernible, but quotations were retained at former levels.

**Starch, Corn.**—All grades 10c. per 100 pounds higher, sellers, however, accepting orders, subject to confirmation, at previous prices until June 6. Some increase in replacement buying.

**Starch, Potato.**—Moderate inquiry prices without change.

**Starch, Rice.**—Quotations steady to firm. Business fair.

**Starch, Sweetpotato.** — Transactions spotty. Prices without change.

**Starch, Wheat.**—Firm price tone, but no change in quotations. Demand routine.

## Tanning Materials

**Chestnut Bark.**—Shipments held to necessary requirements. Prices firm.

**Cutch.**—No new price developments. Moderate inquiry.

**Gambier.**—Quotations nominal and market quiet.

**Hemlock, Bark.** — Prices steady to firm, with demand fair.

**Mangrove Bark.**—Market dull and prices without change.

**Myrobalans.**—Inquiries light. Prices held at previous levels.

**Osage Orange.**—Dealings conservative. Quotations without change.

**Quebracho.** — Moderate demand. Prices lacked any change.

**Quercitron.**—Buying routine. Pricewise a firm tone prevailed.

**Spruce Extract.** — Business fair. Prices hold firm.

**Sumac.**—Supplies scarce. No leaf available; ground $140 per ton unchanged.

**Valonia.** — Quotations unchanged. Demand narrow.

**Wattle Bark.** — Market dull. No change disclosed in the prices.

### Price Changes

**Advanced**

Corn dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.
sugar, tanners, 10c. per 100 lbs.

**Reduced**

None

### Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 144.5 | 144.3 | 143.4 | 138.0 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*Purchasing Agents, June 3-6, Cincinnati.*
*Textile Chemists and Colorists, Oct. 18-19, New York.*

## Textile Chemists to Hold Annual Golf Tournament

The New York section of the American Association of Textile Chemists and Colorists will hold its annual outing and golf tournament June 7 at the North Jersey Country Club, Preakness, N. J. Arrangements for the affair have been formulated by Albert J. Royce, president of the Royce Chemical Company, Carlton Hill, N. J.

The golf tournament will be in charge of Paul Dunkel, of Paul A. Dunkel & Co., this city. Herman P. Baumann, of William Wilheim & Co., Passaic, N. J., is chairman of the tennis committee, and Robert Holock, of the National Aniline & Chemical Company, this city, is chairman of the committee on horse-shoe pitching. An assortment of valuable prizes has been secured for presentation to the winners in the various events at the dinner which will follow the outdoor activities.

## *Leather Chemists Discuss Improvements in Industry*

*—Continued from page 5*

Bureau of Agricultural Chemistry and Engineering, the Bureau of Plant Industry, and the Soil Conservation Service of the Department of Agriculture on the development of domestic tanning materials, preferably as new farm crops. Preliminary field and laboratory studies now under way on sumac and canaigre were described.

The following officers were elected:—

President, Vincent J. Mlejnek, of the Graton, Knight Company; Worcester, Mass.; vice-president, John H. Highberger, assistant director of the Tanners Council laboratories at the University of Cincinnati, and C. A. Blair, secretary-treasurer, Reed-Blair laboratories.

**Chemical exports** to Yugoslavia from the United States in 1939 totaled $135,000.

## *Oil Companies Ask Trust Decree Review*

*—Continued from page 5*

the opinion that further action should be taken to remedy what it considers monopolistic control in the petroleum industry.

The probability is that one very large suit will be filed attacking objectionable practices throughout the country, rather than a number of regional suits or cases confined to particular aspects of the industry. Officials decline to indicate what form the action may take except that it probably will be a civil injunction suit instead of criminal indictment. The probability is that it will demand divorcement of major integrated companies from some or all of their marketing facilities, but it may also be aimed at control of pipelines, the gasoline-cracking patent pool, fixing of jobber margins, or other practices.

The suit will be ready for filing within a few weeks, it is indicated at the department.

## Monsanto Gets Right To Register 'Santox'

The Monsanto Chemical Company, St. Louis, may register the name, "Santox," as a trademark for "chemical compounds employed as preventers of rancidity in soap and vegetable oils," it has been held by the United States Patent Office. The Western Chemical Company, St. Joseph, Mo., had opposed the application on the ground that the name would conflict with its mark, "Sanitox," for insecticides, but the decision held the materials were completely different and there was no chance of confusing them.

**Cobalt oxide** production was recently started at a new plant of the Montecatini Company, Italy.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

ACETAMIDE
TECHNICAL AND C. P. ODORLESS GRADES

USES

DYE SOLVENT — difficultly soluble dyes are dissolved in molten acetamide and the solution rendered liquid at room temperature by adding water or a suitable alcohol. The solution is used as a master batch and avoids spotting from undissolved dyestuff.

SOLVENT — for almost all organic materials and many inorganic salts. Preparation acetonitrile, pharmaceutical products.

SOLDERING FLUX — The addition of 10 to 40% Acetamide based on the weight of zinc chloride used gives increased solder flow, greater joint strength, and decreases solder requirements.

Samples and further information on request.

NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
MUTUAL CHEMICAL CO. OF AMERICA
BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

## *Books You Can Use*

### Metal Statistics

**Metal Statistics, 1940.** Thirty-third annual edition. Cloth; 692 pages, 4 by 6 inches. New York: American Metal Market. $2.

This statistical record of the commerce in metalliferous materials long since has gained for itself prominence as a reference media. Already replete with useful information on both ferrous and nonferrous metals and economic subjects, the new issue contains many added features together with a number of refinements in established sections.

In the iron and steel section, statistics are now given on the use of steel scrap in steel making, as are figures on the pig iron so used; the exports of galvanized sheets; apparent world consumption of tin plate; price trend of ferrosilicon; and the production of hot rolled alloy steel. In the nonferrous group, new tables show the monthly domestic copper sales by primary producing interests, monthly receipts of scrap by custom refiners and a record of price changes. Information on domestic tin consumption has been further augmented by more detailed statistics; and new tables are included on the sales of zinc varieties, cadmium prices, and world production and use of nickel.

## Plastic, Coldwater Paint Calcimine Sales Up

Sales of plastic and cold-water paints and calcimines reported by sixty manufacturers to the Bureau of Census for April, 1940, were as follows:—

**Plastic Paints**

| | Pounds. | Value. |
|---|---|---|
| Paste | 147,548 | $17,256 |
| Dry, casein bound | 451,544 | 28,359 |
| glue bound | 169,406 | 8,854 |
| Totals | 768,498 | $54,469 |

**Cold Water Paints**

| | Pounds. | Value. |
|---|---|---|
| Exterior, lime or cement-bound | 1,027,975 | $74,435 |
| casein-bound | 389,058 | 20,883 |
| Interior, casein - bound, paste or semi-paste form | 354,124* | 381,840 |
| dry-powder form | 1,770,401 | 130,990 |
| glue-bound | 290,779 | 8,038 |
| Totals | ..... | $616,186 |

* Gallons.

**Calcimines**

| | Pounds. | Value. |
|---|---|---|
| Hot water | 3,472,826 | $140,386 |
| Cold water | 3,076,089 | 131,497 |
| Totals | 6,548,915 | $271,883 |

Sales of these products for April compared with the corresponding period of 1939 were as follows:—

| | | 1940. | 1939. |
|---|---|---|---|
| Plastic paints | lbs. | 768,498 | 675,565 |
| | value. | $54,469 | $46,386 |
| Cold water paints | value. | $616,186 | $506,425 |
| Calcimines | lbs. | 6,548,915 | 6,425,388 |
| | value. | $271,883 | $282,052 |

## Marine Chemicals Expanding

An expansion program involving the expenditure of approximately a quarter of a million dollars and covering the installation of additional equipment to its present facilities, is being completed by the Marine Chemicals Company, South San Francisco, Cal., according to R. E. Clarke, president. The new additions include an office building, a research laboratory, and equipment which not only will materially increase the plant capacity, but will also make for improvement in product quality, Mr. Clarke said.

The Marine Chemicals Company is said to be the pioneer in the recovery on a commercial scale of magnesium products from seawater. Magnesium carbonates, hydroxides, and oxides, both technical and U.S.P. grades, have been recovered from seawater by the company for the past twelve years. Its products are extensively distributed over the United States.

## Soda Silicate Association Formed by Japanese Makers

The ten Japanese producers of sodium silicate have formed, at the instance of the government, a producers guild. This move apparently contemplates regulation of production and sales for soda silicate. Nippon Seiren and the Toya Soda Kogyo organizations are said to be the chief factors in the production of sodium silicate in Japan. Annual capacity is placed at 80,000 metric tons.

## Japanese Pyrethrum Flowers Distribution Agent Named

Collection and distribution of pyrethrum flowers, potato starch, rapeseed and rapeseed oil has been placed in the hands of the Farms Products Export Company, a Japanese concern established by a bill passed by the Diet session ended March 27, according to the Japanese press.

The company itself will not engage in export activities. The main purpose of the legislation is to assure a smooth flow of specified agricultural produce to exporters. Produce not required for local consumption within the prefactures will be bought by the company and distributed to exporters. The Japanese government will supply half of the yen 10,000,000 capital and the balance is to be subscribed by private individuals in businesses falling within the scope of the legislation.

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**J. C. Grierson** has been named cashier for the Union Oil Company, Los Angeles, succeeding W. H. Chandler, retired.

## *Alcohol, Gasoline Taxes Increased in Revenue Bill*

*—Continued from page 3*

As originally outlined the new revenue bill would have applied the proposed tax of $3 per proof-gallon or $5.70 per wine-gallon of 190 proof alcohol on all alcohol on which the Federal tax must be paid. No exception was made with respect to alcohol used under regulations in the manufacture of medicinal preparations, flavoring extracts, or other articles not for beverage use.

This provision was discussed with Chairman Doughton this forenoon by E. F. Kelly, of the American Pharmaceutical Association; Rowland Jones, jr., of the National Association of Retail Druggists; and James P. McGovern, counsel for the Council of Industrial Alcohol Users, all of whom asked that a differential be set up for alcohol for medicinal and other nonbeverage uses and the increase in the tax be not made applicable for such alcohol. Mr. Doughton said that the proposed increase had been recommended by the Treasury Department, and suggested that the department be asked to recommend the differential, implying that the ways and means committee would not otherwise consider the request.

Other proposed increases in excise taxes would make the tax on toilet preparations 11 percent; that on matches 5½ cents; and the tax on lubricating oils 5½ cents per gallon. The excise taxes were not discussed at the hearing this forenoon. The proposed increases in excise taxes would take effect July 1, 1941.

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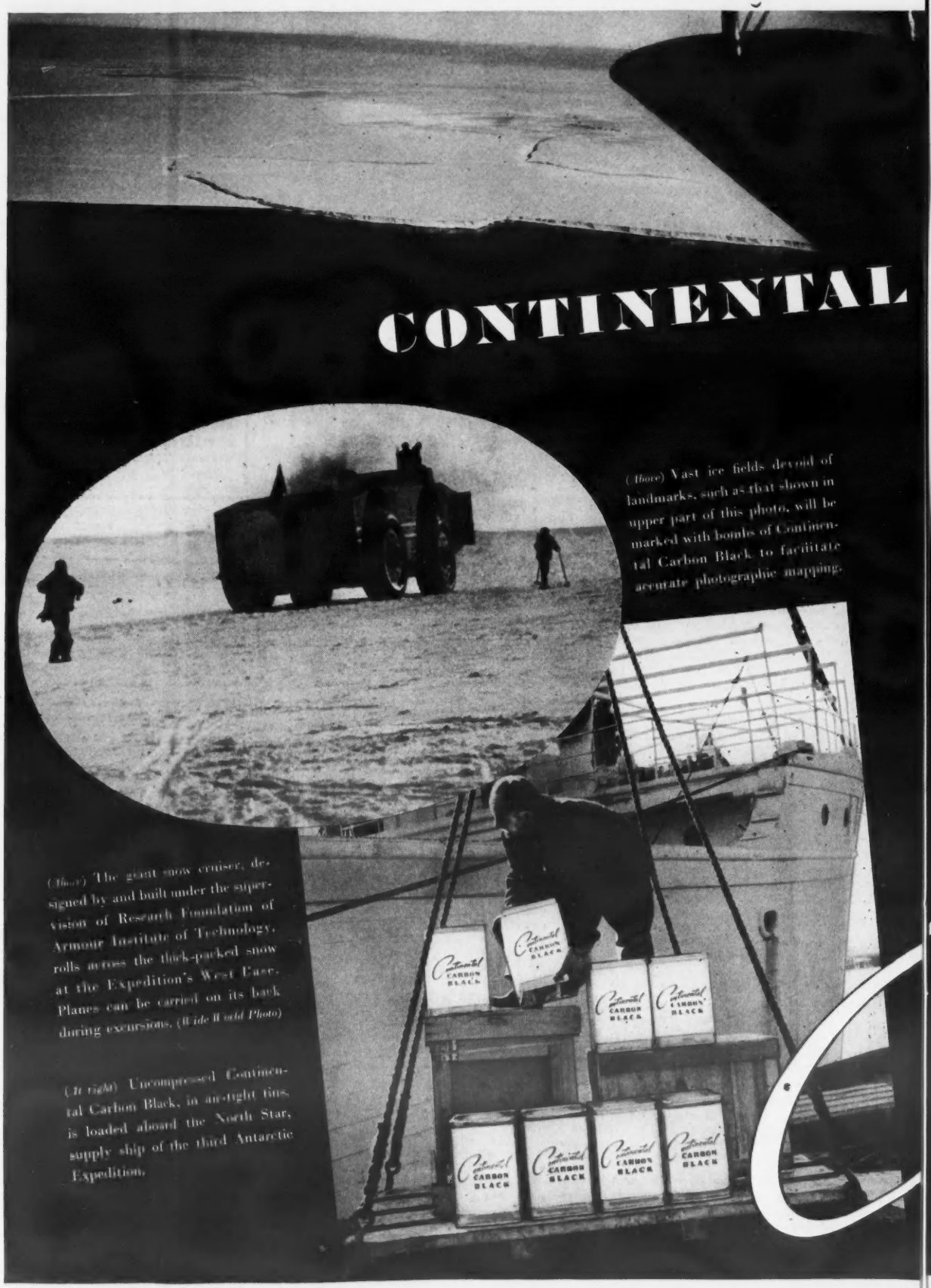
**Royal Manufacturing** Company, Duquesne, Pa., has contracted for purchase of part of the Superior Oil Works' plant at Warren, Pa., for the manufacture of white mineral oils.

**Tide Water Associated** Oil Company plans to install at its Bayonne, N. J., refinery a unit of 15,000 barrels daily capacity for refining oil under license from the Houdry Process Corporation.


(*Above*) Vast ice fields devoid of landmarks, such as that shown in upper part of this photo, will be marked with bombs of Continental Carbon Black to facilitate accurate photographic mapping.

(*Above*) The giant snow cruiser, designed by and built under the supervision of Research Foundation of Armour Institute of Technology, rolls across the thick-packed snow at the Expedition's West Base. Planes can be carried on its back during excursions. (*Wide World Photo*)

(*At right*) Uncompressed Continental Carbon Black, in air-tight tins, is loaded aboard the North Star, supply ship of the third Antarctic Expedition.

## Falk Co. and D.H. Litter Buy Newark Plant

A large Newark plant, formerly occupied by the Sinclair Refining Company, has been purchased by Falk & Co., manufacturer of processed fish and vegetable oils, Pittsburgh, and the D. H. Litter Company, this city. The plant is to be used as a storage for all products distributed in the East for Falk & Co. and Anderson-Prichard Oil Corporation, Oklahoma City, by the Litter Company, Eastern agent for the two concerns.

Some processing will be done at the new site in the near future and will be gradually increased until sufficient equipment is installed for complete processing operations. The main purpose of the new unit, however, is to better service the East. One noteworthy feature will be the shipping of bulk material to Newark in tankcars and drumming at the new plant, compared with the present system of shipping drum lots from Pittsburgh and Oklahoma City.

Situated on an acre of land, the new plant contains several one-story brick buildings, ten 15,000-gallon tanks, a railroad siding capable of handling eight tankcars and a new boiler house that is in process of construction.

## *Obituaries*

### Harry Hoyt Good

Harry Hoyt Good, former president of the Carter Medicine Company, died in Pass-A-Grille Beach, Fla., May 27. He was sixty-seven years of age.

Born in Jersey City, Mr. Good became the head of the Carter Medicine Company in 1915, the year in which his father, the founder of the company, died. At his death, Mr. Good was also the head of two other concerns, Brent, Good & Co., and the Dr. Tutt Manufacturing Company. Both companies are located in this city and are manufacturers of proprietary products. Surviving are his wife, a daughter and a sister.

**Edward T. Bischoff,** president of the Ernst Bischoff Company, manufacturer of pharmacy supplies, Ivoryton, Conn., died May 25. He was thirty years of age.

**John Campbell Fonner,** president of Claire Rennof, manufacturer of cosmetics, Montclair, N. J., died May 27. He was fifty-one years of age.

**Benjamin Kittinger,** long identified with the petroleum industry in Western New York, died May 25 in his Buffalo home. He was eighty-four years of age.

**Guy C. McPhail,** manager of the Henderson, N. C., office of the American Agricultural Chemical Company, this city, died May 12.

**Dr. James Harvey Ransom,** professor of chemistry at James Milliken University, Decatur, Ill., since 1921, died May 30. He was seventy-eight years of age.

## *Justice Dep't Wants Views On Procedure Problems*

—*Continued from page* 3

gators, has engaged in intensive study of the Federal administrative agencies which dispose of private interests by adjudication or by rule-making. The reports made to it by its staff have been published by the committee. The first thirteen released by the committee are now available in print, having been published as senate document No. 187, seventy-sixth Congress, third session. They deal with the administration of the Walsh-Healey act by the Division of Public Contracts, Department of Labor; the Veterans' Administration; the Federal Communications Commission; the United States Maritime Commission; the Federal Alcohol Administration; the Federal Trade Commission; the administration of the grain standards act by the Department of Agriculture; the Railroad Retirement Board; the Federal Reserve System; the Department of Commerce (the Bureau of Marine Inspection and Navigation); the administration of the packers and stockyards act by the Department of Agriculture; the Post Office Department; and Federal control of banking by the Comptroller of the Currency and the Federal Deposit Insurance Corporation.

### Drug Act Studied

In addition to the reports which have been printed, limited numbers of mimeographed copies of monographs describing the procedures of the Wage-Hour Division and the Childrens' Bureau of the Department of Labor in the administration of the fair labor standards act, the War Department, the Social Security Board, the National Mediation Board, the National Railroad Adjustment Board, the National Labor Relations Board, the Bituminous Coal Division, and the Civil Aeronautics Authority are available for public distribution without charge.

Other reports describing the procedures of the Interstate Commerce Commission, the Federal Power Commission, the Securities and Exchange Commission, the United States Employees' Compensation Commission, the Department of the Interior, the United States Tariff Commission, the Bureau of Customs, the Bureau of Internal Revenue, the Board of Tax Appeals, the Processing Tax Board of Review, and the Department of Agriculture in the administration of the agricultural marketing agreement act of 1937, the commodity exchange act, the perishable agricultural commodities act, the plant quarantine act, and the Federal food, drug, and cosmetic act will be available for free distribution shortly.

The final conclusions and report of the committee are expected to be submitted to the Attorney-General in the early Autumn.

## Bids Wanted

**Acetylene:**—Supplies as required during the period July 1 to December 31; U. S. Engineer Office, Post Office Building, Sacramento, Calif.; invitation 238, opening June 11.

**Chlorine:**—30,000 pounds; U. S. Engineer Office, First and Douglas streets, Washington; serial 237, opening June 5.

**Diphenyl, Chlorinated:**—1,000 pounds; Purchasing Agent, Government Printing Office, Washington; opening June 3.

**Fuel Oil:**—Supplies for Gulf ports; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1816, opening June 6.

**Lard Oil:**—1,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4088, opening June 11.

**Metal Polish:**—8,004 pounds; Purchasing Agent, Post Office Department, Washington; invitation 358, opening June 5.

**Soap Powder:**—10,000 pounds; Chief Clerk, Federal Reformatory, Chillicothe, Ohio; invitation 5-17, opening June 6.

## Cleve. Production Club Elects Mutersbaugh Head

The Cleveland Paint and Varnish Production Club at its May meeting elected the following officers:—President, G. H. Mutersbaugh, of the Glidden Company; vice-president, C. R. Hoskin, of the Arco Company; treasurer, J. C. Weaver, of the Sherwin-Williams Company, and secretary, A. Batterman.

L CARBON BLACK

HELPS MAP A NEW CONTINENT

Down in the endless fields of ice and snow on the new found continent of Antarctica, a novel and unique use is planned for Continental Carbon Black—the marking of vast areas of perpetual whiteness for map-making by aerial photography.

Bombs carrying this fluffy, jet black powder will be tossed from map-making planes of the third Antarctic Expedition. As they strike the snow they are to be exploded by light detonators, spreading large black patches over the white surface. These patches, clearly discernible in photographs taken from a height of thousands of feet, will provide a quick, accurate method of piecing them together to form a complete aerial map.

Thus will Continental Carbon Black help the U. S. A. to claim rights to the new continent of Antarctica.

Product of the newest company in its field and the most modern carbon black plant in the industry, Continental Carbon Black is recognized throughout the rubber, paint and printing ink industries for its high quality and uniformity.

Continental

Continental Carbon Company, 295 Madison Avenue, New York • *Akron Sales Office:* Peoples Bank Bldg., Akron, Ohio. *Plant:* Sunray, Texas

Barrett

CUMAR*

PARACOUMARONE-INDENE RESIN

•

Cumar is widely used in the manufacture of varnishes, floor tile, light-colored rubber products, printing ink, adhesives and waterproofing materials, and in the leather, electrical, radio, paper and other industries.

It is unique in the broad field of synthetic resins—a chemically neutral, non-saponifiable body—available in fluid, viscous, flake or solid forms, with melting points from 10°C to 160°C. It is manufactured under rigid chemical control from specially selected aromatic hydrocarbon distillates. Each grade is produced to meet a definite specification, and is available in large quantities at reasonable prices.

Experienced Barrett Technical Service men will gladly suggest appropriate grades for your purpose. Phone, wire or write.

CUMAR RESIN (Paracoumarone-Indene Resin)—Specifications

| GRADE | MELTING POINT | COLOR | FORM |
|---|---|---|---|
| High Melting (W) | 150-160°C. | Color ½-3 | Flake |
| Varnish (V) | 127-137°C. | Color ½-3½ | Flake |
| Medium Hard (MH) | 115-125°C. | Color 1-3½ | Flake |
| (Dark-MH9) | 115-125°C. | Color 8-12 | Solid |
| Rubber Hard (RH) | 77-85°C. | Color 8 max. | Solid |
| Medium Soft (MS) | 55-65°C. | Color 8 max. | Solid |
| Rubber Soft (RS) | 45-55°C. | Color 8 max. | Solid |
| Special Soft (S30) | 27-34°C. | Color 8 max. | Viscous |
| (other melting points supplied as required) | | | |
| Plastic (P10-P90, according to melting point in °C.) | As required 10-90°C. | Color 2-8 | Viscous or Solid |
| AX | 20-30°C. | 12 max. | Viscous |
| BX | 35-45°C. | 12 max. | Viscous |
| CX | 45-55°C. | 12 max. | Solid |
| DX | 75-85°C. | 20 max. | Solid |
| EX | 100-115°C. | 20 max. | Solid |
| FX | 125-135°C. | 20 max. | Solid |

The flaked grades are shipped in metal containers holding about 300 pounds net. The solid and viscous grades are shipped in destructible drums and steel barrels, respectively, each container holding approximately 430-450 pounds net.

The Barrett Company • 40 Rector St. • New York, N.Y.

... One of America's great basic businesses

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Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36-page, pocket-size booklet lists the many important chemicals Barrett manufactures, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

# Coaltar Chemicals

**Tar and Light Oil Recovery Declined During April—Benzol Output Lower—Steel Operations Higher—Coaltar Solvent Contract Prices Awaited**

Transactions in the market for coaltar chemicals held at fair levels last week. The holiday and month-end did not stimulate business, however, and commitments were usually confined to nearby requirements. Volume during May was expected to compare favorable with the preceding month and the same period a year ago. Export inquiries were lighter. By-product coking operations declined in April, according to the latest statistics released by the Bureau of Mines, but the recent gain in steel operations augured well for an upturn. Prices were unchanged and firm.

Word was expected soon regarding contract prices for coaltar solvents for the final six months. The position of toluol continued sold up against domestic contracts. Xylol was taken moderately, but benzol was not in heavy demand for domestic or export account. Phenol was taken steadily. Cresylic acid was spotty. Naphthalene held firm. Call for coaltar acids, colors and intermediates remained moderate.

Production of by-product coke in April amounted to 3,984,347 tons, against 4,124,748 tons in March and 2,914,660 tons in April a year ago. Coke was produced at 82 plants of which 78 made ammonia and 55 benzol, according to the Bureau of Mines. A substantial addition to stocks of byproduct coke was made in April and on May 1 stood at 2,015,785 tons.

Tar oil recovery during April amounted to 48,831,304 gallons, compared with 50,541,981 gallons in March and 35,664,547 gallons in April, 1939. For the first four months output aggregated 206,271,828 gallons, against 156,619,951 gallons in the like period a year ago. Light oil production in April totaled 16,108,134 gallons, contrasted with 16,672,441 gallons in March and 11,764,796 gallons in April a year ago, During the first four months this year output amounted to 68,043,461 gallons, compared with 51,664,713 gallons in the coresponding period a year ago.

### Price Changes

**Advanced**

None

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 127.3 | 127.3 | 127.3 | 125.6 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Basic Products

**Benzol.**—Demand moderate. No change in the prices, with the market about steady. April production 9,583,000 gallons, against 9,952,000 gallons in March and 6,813,000 gallons in March a year ago. First four months output 40,659,000 gallons against 29,805,000 gallons in same period a year ago.

**Carbazole.**—Prices unchanged and market tone firm. Withdrawals held to nearby requirements.

**Coaltar.**—Shipments routine against contracts. No new price developments.

**Creosote Oil.** — Major consumers made necessary replacements. Business sufficient to keep the tone of the market firm.

**Cresols.**—Demand fairly steady, but commitments usually confined to moderate quantities. Pricewise a firm tone prevailed.

**Cresylic Acid.**—Business spotty. Domestic prices were well maintained. Inquiries for imported were light, and prices were nominal.

**Naphthalene.**—Quotations for domestic crude and refined firm and unchanged. Shipments routine. Offerings of imported continue negligible.

**Oil, Shingle Stain.**—Interest moderate. Market lacked any new price developments.

**Phenol.**—Shipments moved against contracts steadily. The position of the market firm and prices well maintained. Offerings for export were modest.

**Pyridin.**—A firm tone governed the dealings, and prices were the same. Business moderately active.

**Tar Acid Oils.**—Interest only fair. Market lacked any price change, and a steady to firm tone prevailed.

**Toluol.**—Domestic demand sufficient to keep the market in a tight position. Export inquiries less active, but offerings small.

**Xylol.**—Buying moderate. No change in the quotations, and the market firm.

### Chicago Coaltar Bases

Rate of output of coaltar bases materials is reported picking up again slightly after undergoing a recession for some time. Demand for benzol and related products has been holding up relatively well. Inquiry has been good, mainly for restricted quantities. Ruling prices are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

## Coaltar Acids

**Anthranilic.**—Trading dull. Prices hold firm.

**Benzoic.** — Consumers made necessary purchases as a rule.

**Broenner's.**—Dealings strictly routine. Quotations without change.

**Cleve's.**—Market lacked any new feature, with business light.

**Fumaric.** — Inquiries reached the market in satisfactory volume.

**Gamma.**—Usual consumers entered the market for nearby needs.

**H.**—There was little expansion in the demand. Prices rule firm.

**Laurent's.**—Modest quantities made up the call from regular channels.

**Malic.**—Withdrawals only moderate in most instances.

**Maleic.** — Shipments held at fair levels in this direction.

**Picric.**—Price tone firm, and trading on a satisfactory basis.

**Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**

*Purchasing Agents, June 3-6, Cincinnati.*
*Manufacturing Chemists, June 6, Skytop.*
*Synthetic Organic C.M.A. outing, June 6-7, Skytop.*
*Insecticides and Disinfectants, June 17-19, Lake Wawasee.*
*Textile Chemists and Colorists. Oct. 18-19. New York.*
*Pest Control Association, Oct. 28-30, Indianapolis.*

**Salicylic.**—Replacements made on a conservative scale.

**Succinic.** — Shipments routine. Pricewise no change occurred.

**Sulphanilic.** — Fair activity, with prices well sustained.

**Tobias.**—Demand light. Quotations were without change.

## Other Intermediates

**Alphanaphthol.** — Buying spotty. Prices ruled firm.

**Anilin.**—Demand moderate. Quotations well sustained.

**Anthraquinone.**—Withdrawals held to nearby requirements.

**Benzaldehyde.**—Dealings only fair. Prices continue the same.

**Benzidin Base.**—Transactions routine. No change in the prices.

**Betanaphthol.**—Market devoid of any new developments.

**Diethylanilin.**—Moderate inquiry. Quotations unaltered.

**Dinitrobenzene.** — Firmness characterized the trading. Demand fair.

**Dinitrochlorobenzene.** — Interest moderate. Prices rule firm.

**Dinitronaphthalene.**—Business routine. Prices well maintianed.

**Dinitrophenol.** — Usual consumers made necessary commitments as a rule.

**Dinitrotoluene.**—Market firm, and withdrawals routine.

**G. Salt.**—Nothing much occurred in the market last week. Prices unchanged.

**Metanitropartoluidin.**—Prices firm, and demand conservative.

**Nitrobenzene.**—Business moderately active. Prices firm.

**Nitronapthalene.** — Demand irregular. No change disclosed in the prices.

**Orthochloroanilin.** — Fair interest. Pricewise no change took place.

**Orthochlorophenol.** — Small lots made up the call. Prices firm.

**Orthodichlorobenzene.** — Shipments remain at satisfactory levels.

**Orthotoluidin.** — Market position strong, and business steady.

**Parachlorophenol.**—Consumers displayed moderate interest.

*—Continued on page 46*

## *Synthetic Chemicals Output Up 38 Percent*

*—Continued from page 3*

portant groups were:—Intermediates 51 percent, dyes 47 percent, coaltar medicinals 25 percent, coaltar resins 68 percent, and all noncoaltar synthetic organic chemicals 24 percent.

The following tables give comparative statistics on production and sales in various divisions. Differences between the quantities of production and sales are said to be due primarily to consumption by producing concerns:—

### Dyes and Other Synthetic Organic Chemicals
**Production and Sales, 1938 and 1939**

| COALTAR CHEMICALS. | 1925-30 Average. | 1938. | 1939. | Increase, 1939 over 1938. Percent. |
|---|---|---|---|---|
| Intermediates:— | | | | |
| Production | 267,492,000 | 401,943,000 | 605,757,000 | 50.7 |
| Sales | 109,133,000 | 171,514,000 | 267,705,000 | 56.1 |
| Sales value | $22,408,000 | $26,090,000 | $38,122,000 | 46.1 |
| Finished coaltar products:—* | | | | |
| Production | 138,078,000 | 276,387,000 | 434,606,000 | 57.2 |
| Sales | 133,964,000 | 245,340,000 | 351,024,000 | 43.1 |
| Sales value | $65,027,000 | $104,372,000 | $145,233,000 | 39.1 |
| Dyes:— | | | | |
| Production | 94,003,000 | 81,759,000 | 120,190,000 | 47.0 |
| Sales | 92,207,000 | 87,803,000 | 114,494,000 | 30.4 |
| Sales value | $39,428,000 | $53,096,000 | $70,223,000 | 32.3 |
| Medicinals:— | | | | |
| Production | 4,508,000 | 11,097,000 | 13,910,000 | 25.3 |
| Sales | 4,106,000 | 8,885,000 | 12,311,000 | 38.6 |
| Sales value | $7,464,000 | $9,509,000 | $13,496,000 | 41.9 |
| Flavors and perfume materials:— | | | | |
| Production | 3,966,000 | 3,837,000 | 4,352,000 | 13.4 |
| Sales | 3,919,000 | 3,664,000 | 3,979,000 | 8.6 |
| Sales value | $2,901,000 | $3,368,000 | $4,144,000 | 23.0 |
| Coaltar resins:— | | | | |
| Production | †24,442,000 | 106,923,000 | 179,338,000 | 67.7 |
| Sales | †22,135,000 | 84,764,000 | 128,420,000 | 51.5 |
| Sales value | †$7,756,000 | $15,811,000 | $23,028,000 | 45.6 |
| NON-COALTAR CHEMICALS. | | | | |
| Production | 379,972,000 | 2,409,456,000 | 2,996,545,000 | 24.4 |
| Sales | 264,006,000 | 1,121,608,000 | 1,498,309,000 | 33.6 |
| Sales value | $44,499,000 | ‡$146,435,000 | $198,562,000 | 35.6 |

* Includes color lakes, rubber chemicals and miscellaneous coaltar products not shown separately.
† 1927-30 average.
‡ Adjusted so as to be on the same value basis as 1939.

### Dyes and Other Finished Coaltar Products
**Production and Sales, 1939**

| | Production. | Sales | | Unit value. |
|---|---|---|---|---|
| | | Pounds. | Value. | Per pound. |
| Dyes:— | | | | |
| Classified | 99,563,000 | 95,074,000 | $48,018,000 | $0.51 |
| Unclassified | 20,627,000 | 19,420,000 | 22,205,000 | 1.14 |
| **Totals** | 120,190,000 | 114,494,000 | $70,223,000 | $0.61 |
| Color lakes and toners | 18,154,000 | 15,577,000 | $11,785,000 | $0.76 |
| Medicinals | 13,910,000 | 12,311,000 | 13,496,000 | 1.10 |
| Flavors and perfume materials | 4,352,000 | 3,979,000 | 4,144,000 | 1.04 |
| Resins | 179,338,000 | 128,420,000 | 23,028,000 | .18 |
| Rubber chemicals | 29,966,000 | 20,965,000 | 10,081,000 | .48 |
| Miscellaneous chemicals* | 68,696,000 | 55,278,000 | 12,476,000 | .23 |
| **Totals** | 434,606,000 | 351,024,000 | $145,233,000 | $0.41 |

* Includes benzoate of ammonia, benzoate of soda, benzoyl peroxide, biological stains and chemical indicators, poisonous and tear gases, synthetic insecticides, phthalates, synthetic tanning materials, textile assistants, photographic chemicals, and others.

## *Chemical Exports Declined in April*

*—Continued from page 5*

$4,174,700 compared with $2,354,600 in April last year. In the eight-month period following the outbreak of hostilities in Europe, from September, 1939, to April, 1940, exports of chemicals and related products from the United States were valued at $167,353,500, compared with $108,939,500 in the corresponding months of 1938-39.

Imports of coaltar products were valued at $906,000 in April, compared with $4,129,000 in the same month last year. Fertilizer imports were valued at $3,072,000 compared with $4,370,000 in April last year. Industrial chemical imports dropped from $2,202,000 in April, 1939, to $1,047,000 in April, 1940. Industrial wax imports were valued at $1,000,000, compared with $470,650 in 1939. Medicinal imports advanced in value to $1,738,600 from $1,559,500 in April last year.

## Benzol and Toluol Exports Reported for First Quarter

Toluol exports from the United States in the first quarter amounted to 12,601,654 pounds valued at $743,340, according to the Bureau of Foreign and Domestic Commerce. Shipments in pounds were as follows:—France, 1,811,712; Italy, 2,373,651; Norway, 573,881; Spain, 1,180,457; Sweden, 3,694,898; United Kingdom, 560,195; Canada, 571,145 and Japan, 1,512,063. Benzol exports from the United States in the first quarter rose to 5,982,094 gallons valued at $1,162,555 from 4,887,100 gallons during the corresponding period of 1939.

**Hydrogenation characteristics** of some of the low-rank Western coals in discontinuous converts are discussed by A. Eisner, G. C. Sprunk, Loyal Clarke, M. L. Fein, C. H. Fisher, and H. H. Storch, of the United States Bureau of Mines, in a report of investigations (No. 3498) published by the bureau. Copies may be obtained free from the bureau's section of publications, Washington.


KOPPERS

**PHENOL**—All standard grades such as 82% and 90% and 39° Melting Point Pure.

**CRESOL**—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

**CRESYLIC ACID**—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

**TAR ACID OILS**—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

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INSECTICIDES

TAR ACIDS
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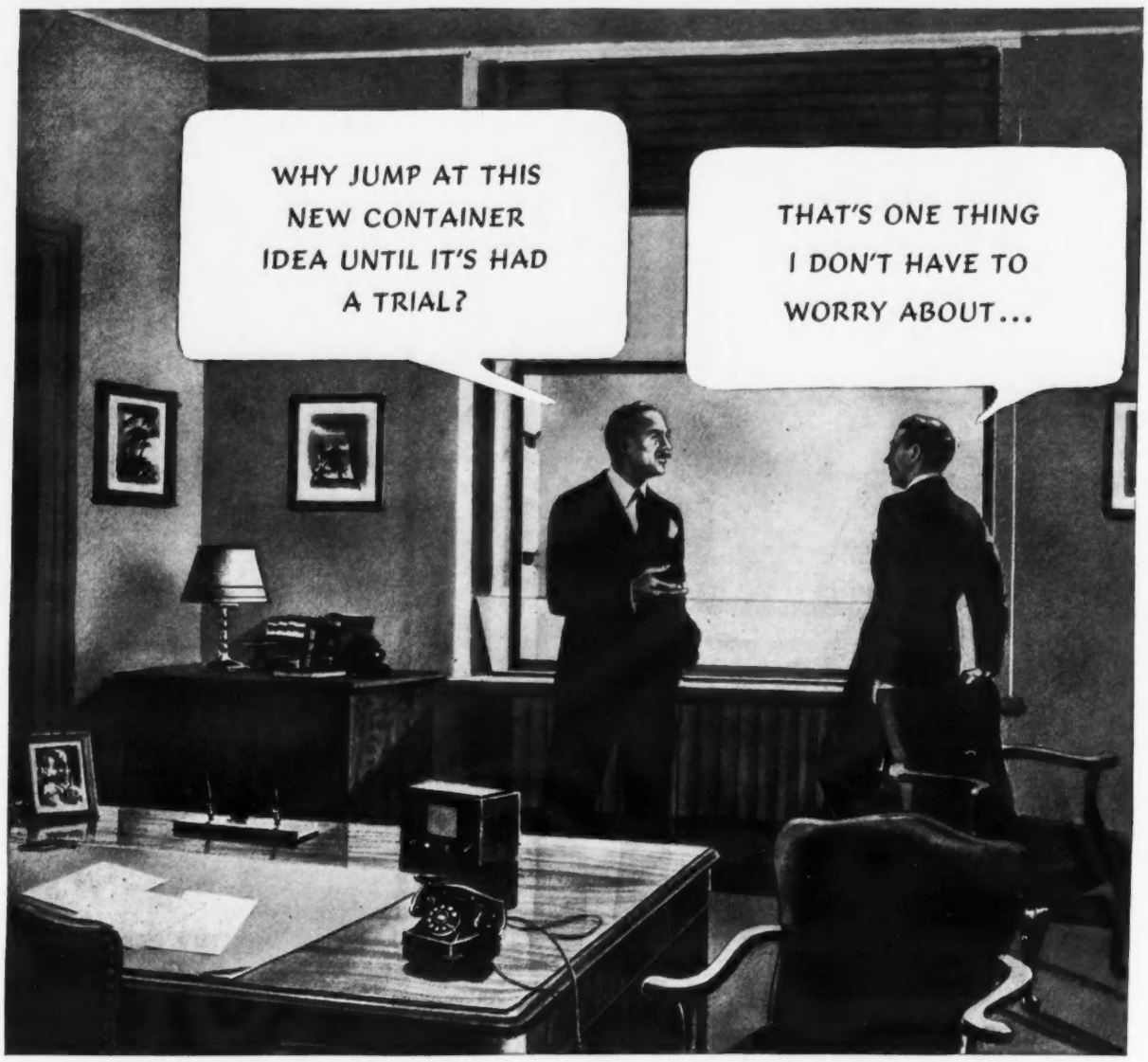
TAR ACID OILS

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CANCO AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.

# Paint, Varnish, Lacquer Material

**Domestic Flake White Prices Revised Downward — Synthetic Resins Prices Well Maintained—Casein Reports Contradictory —Several Materials Unchanged in Third Quarter**

A Domestic producer of flake white made sharp reductions in prices last week in an apparent effort to attract consumers who had been purchasing imported material in the past several years. An annual total of 25,000 pounds of flake white had been shipped to this country from Germany and Austria and, with these shipments now curtailed, domestic suppliers are showing more interest in this market.

The majority of producers of synthetic resins reported satisfactory business for May. Prices on the whole were firm and unchanged. Casein reports were mixed, with one factor reporting a stronger market and another noting softening tendencies. Changes in naval stores quotations were generally moderate. Trade was quieter, buyers being disposed to curtail purchases pending further developments abroad and also in domestic markets for other commodities.

With the general market holding to good levels during the week, the first indications of third quarter contracts prices were seen. Titanium pigments will be offered at unchanged prices. Other materials, for which quotations will be unchanged are barytes, blanc fixe, ester gum, bone and lamp black, ultramarine blue and bone and hide glues.

## Metallic Lead and Zinc

Sales volume for pig lead was smaller during the past week. This was due partly to the holiday interlude, but was also caused by the placing of fewer daily orders. Price was steady and unchanged. The new, higher price of slab zinc held firmly during the period with sales slightly better than during the previous week.

**Lead.** — Prevailing spot prices at New York, East St. Louis and London for the period from May 25 to May 31, inclusive, were as follows:—

| | Pigs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0500@.0505 | $0.0485 | ..* .. .. |
| Monday | .0500@.0505 | .0485 | .. .. .. |
| Tuesday | .0500@.0505 | .0485 | .. .. .. |
| Wedn'sd'y | .0500@.0505 | .0485 | .. .. .. |
| Thursday | †.....@..... | †..... | .. .. .. |
| Friday | .0500@.0505 | .0485 | .. .. .. |

* London exchange closed. † Holiday.

**Zinc.** — Prevailing spot prices at New York, East St. Louis and London for the period from May 25 to May 31, inclusive, were as follows:—

| | Slabs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0540 | $0.0600 | ..* .. .. |
| Monday | .0540 | .0600 | .. .. .. |
| Tuesday | .0540 | .0600 | .. .. .. |
| Wednesday | .0540 | .0600 | .. .. .. |
| Thursday | †..... | †..... | .. .. .. |
| Friday | .0540 | .0600 | .. .. .. |

* London exchange closed. † Holiday.

## Pigments

**Flake White.**—Domestic material lowered 1½c. per pound to 8¾c. for barrel lots. Keg price reduced 1¼c. per pound to 10¾c.

**Litharge.**—Shipments moving satisfactorily with prices steady.

**Lithopone.** — Sales volume unchanged. Price firm.

**Orange Mineral.**—Demand normal. Price steady.

**Red Lead.**—Business holding to good level. Price unchanged.

**Titanium Pigments.** — Contract prices for the third quarter will be at present levels. Business excellent during past week.

**White Lead.**—Trade routine. Price unchanged. Contract prices for third quarter expected about June 10.

**Zinc Oxides.**—Sales volume at prior levels. Prices firm.

### Price Changes

**Advanced**

None

**Reduced**

Casein, imp., Argentine, 1c. per lb.
Flake white, dom., bbls., 1½c. per lb.
kegs, 1¼c. per lb.
Rosin, gum, 10c. to 30c. per 280 lbs.
Rosin oil, 1c. per gal.
Turpentine, s.d., 1c. per gal.
Turpentine, gum, ⅝c. per gal.

### Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 126.2 | 126.2 | 126.2 | 131.7 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Fillers and Extenders

**Barytes.**—Third quarter contracts will be negotiated at unchanged prices. Trade routine last week.

**Blanc Fixe.**—Third quarter contract prices will probably be the same as now in force, although no definite decision has been reached.

**China Clay.**—Market quiet. Price steady.

**Gypsum.** — Contract withdrawals small during week. Prices steady. Spot sales light.

**Mica.**—Routine, with prices unchanged.

**Whiting.** — Sales volume lighter. Prices firm.

**Woodflour.** — Imported material nominal. Domestic grade in slightly better demand and firm.

## Synthetic Resins

**Ester Gum.**—Contracts for third quarter delivery will be negotiated at prices that are unchanged from those now in force.

**Chlorinated Rubber.**—No decision yet on third quarter prices. Trade dull during week.

## Naval Stores

Quieter conditions prevailed in Southern and local markets for naval stores last week. According to some reports the movement of rosin and turpentine into consuming channels on contracts held up well, but new business was on a smaller scale, many consumers and dealers being inclined to curtail purchases pending further developments in the situation abroad as well as in domestic

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*Purchasing Agents, June 3-6, Cincinnati.*
*Production Clubs, Oct. 28-30, Washington.*
*Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.*

**Are You Having Any Fun...or is the oil situation taking the joy out of life?**

We are not guessing when we say Paranol 1750 makes excellent varnishes with drying oils other than Chinawood.

A sample and full information await your request.

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PARAMET SYNTHETIC RESINS

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MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

UNMATCHED in light fastness by any other known spirit soluble yellow, Calcofast Spirit Yellow 2R is one of several Calcofast colors developed specifically for staining aluminum foil and foil coated paper. It is an ideal basis for fast to light golds in Nitro-Cellulose-Lacquers that tolerate large additions of alcohol. Like its companion Calcofast colors, it also gives splendid results in specialty wood stains and furniture lacquers, and in non-grain-raising stains.

**Other Calcofast Spirit Colors include:**

**Calcofast Spirit Orange R**
**Calcofast Spirit Brown G**
**Calcofast Spirit Black R**
**Calcofast Spirit Yellow G**
**Calcofast Spirit Red B**

***Write today, stating your requirements, and working samples to meet your needs will be sent without charge.***

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markets for other commodities. Few export inquiries were reported. Importations of rosin into the United Kingdom are now subject to licenses. Weather in some sections was more favorable for production and marketing operations but primary receipts continued to fall below expectations, and to some the indications still seemed to point to a smaller production for the year than estimated earlier in the season. There was some discussion in local trade circles of the movement under way in the South to bring about a revision of rules applying to quotations on rosin and turpentine, one proposition being for a bulk basis for turpentine and a 100-pound basis for rosin, but no definite action was officially taken last week.

**Turpentine.**—The local market was quieter last week, purchases generally being limited to small lots with the movement of such quantities apparently lighter than in the previous period. The tone here was steady in company with the primary market where offerings were moderate.

SAVANNAH, May 31.—Following is a record of the turpentine market for the week:—

| | Cents (gal.) | Barrels Sales. | Re-ceipts. | Ship-ments. | On hand |
|---|---|---|---|---|---|
| *Saturday | .. | ... | ... | ... | ..... |
| Monday | 27¼ | 78 | 325 | 218 | 8,655 |
| Tuesday | 27½ | 80 | 303 | 350 | 8,408 |
| Wednesday | 27 | 131 | 304 | 363 | 8,349 |
| Thursday | 27 | 52 | 117 | 586 | 7,880 |
| Friday | 27 | 61 | 137 | 914 | 7,803 |

* No trading.

JACKSONVILLE, May 29.—Turpentine receipts 612 barrels; shipments, 92.

PENSACOLA, May 25.—Turpentine receipts, 220 barrels; shipments, 499.

### Markets at Other Centers

**Chicago—May 31**

Turpentine quiet. Five-drum lots, 36c. per gallon; five wood barrels, 41c.; single drums, 39c.; single barrels, 44c.

LONDON, May 31.—Turpentine 54s. 9d. per 112 pounds.

**Rosin.**—Price movements in the local market were narrow last week in company with developments in the South where the tone appeared to be steady. There was no broadening of trade here, consumers being disposed to limit their takings to comparatively small lots.

SAVANNAH, May 31.—Following is a record of the rosin market for the week:—

| | Price per unit—Low of range quoted— *Sat. | Mon. | Tues. | Wed. | Thurs. | Fri. |
|---|---|---|---|---|---|---|
| B | ... | $3.75 | $3.70 | $3.70 | $3.60 | $3.50 |
| D | ... | 3.80 | 3.75 | 3.75 | 3.65 | 3.55 |
| E | ... | 4.15 | 4.10 | 4.05 | 3.95 | 3.85 |
| F | ... | 4.45 | 4.45 | 4.45 | 4.35 | 4.25 |
| G | ... | 4.47½ | 4.45 | 4.45 | 4.35 | 4.25 |
| H | ... | 4.50 | 4.45 | 4.45 | 4.35 | 4.25 |
| I | ... | 4.50 | 4.45 | 4.45 | 4.35 | 4.25 |
| K | ... | 4.60 | 4.60 | 4.55 | 4.45 | 4.35 |
| M | ... | 5.00 | 5.00 | 4.95 | 4.85 | 4.75 |
| N | ... | 5.25 | 5.25 | 5.20 | 5.20 | 5.20 |
| WG | ... | 5.50 | 5.50 | 5.50 | 5.40 | 5.40 |
| WW | ... | 5.90 | 5.90 | 5.90 | 5.80 | 5.70 |
| X | ... | 5.90 | 5.90 | 5.90 | 5.90 | 5.90 |
| | | Barrels | | | | |
| Sales | ... | 206 | 309 | 438 | 513 | 195 |
| Receipts | ... | 1,339 | 2,221 | 947 | 761 | 1,409 |
| Shipments | ... | 339 | 350 | 3,687 | 4,433 | 1,095 |
| Stocks | ... | ... | ... | ... | ... | 161,757 |

* No trading.

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**


THREE STEPS TO

# High Hiding Flats

AT LOWEST COST

**1**

START with a high dry hiding lithopone. New Jersey Zinc has three for your use: Albaliths 351, 361 and 362. Pound for pound they replace low, medium and high consistency lithopones with an increase in dry hiding power. And in some formulations, as little as 85% of these Albaliths will replace low, medium and high consistency lithopones with equally good hiding power.

**2**

ADJUST pigment-fixed vehicle to a higher figure—low PFV ratios are inefficient. If you now use a ratio of 60%, try 63% with Albaliths 351, 361 and 362. You can do this easily by increasing pigment volume, or by decreasing vehicle solids, (and adjusting consistency with volatile liquids). A New Jersey Zinc representative can help you decide which Albalith to use.

**3**

DRY HIDING INCREASES, as a general rule, in practical flat wall paints, when a poorer wetting vehicle is used. By formulating with Albaliths 351, 361 and 362, you are using lithopones that have been specially processed to take advantage of poor wetting vehicles and yield maximum hiding and other good qualities.

ALBALITH 351·361·362 LITHOPONES

With a proved range of approximately 700 to over 1,500 square feet of hiding power per dollar*, lithopone is one of the most flexible and economical white pigments you can use for flat wall paints today. If your objective is flat wall paints that look well and hide well when they dry on the wall, Albalith 351, 361 and 362 lithopones will save you money.

*For more of this story, write for a copy of "A Practical Hiding Power Comparison", describing tests on 95 commercial flat wall paints.

THE NEW JERSEY ZINC CO., 160 Front Street, New York


## Synthetic Resins

*—Continued from page 23*

Syntex, 28, 1-9 dms.....100 lbs.17.00 - —
29, 1-9 dms.....100 lbs.12.50 - —
32, 50%, 1-9 dms.....100 lbs.12.50 - —
34, 1-9 dms.....100 lbs.15.75 - —
40, 1-9 dms.....100 lbs.15.00 - —
119, 1-9 dms.....100 lbs.19.00 - —
H-3, 1-9 dms.....100 lbs.13.00 - —
H-5, 1-9 dms.....100 lbs.14.50 - —
H-10, 1-9 dms.....100 lbs.15.25 - —
H-12, 1-9 dms.....100 lbs.16.00 - —
H-15, 1-9 dms.....100 lbs.11.50 - —
H-46, 1-9 dms.....100 lbs.12.50 - —

Syntex prices in lots of 10 dms. or more are 50c. per 100 lbs. less than above. These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic states, Va., N.C., S.C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn., Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per lb.

**V**

Vinylite, AYAA, AYAF, AYAT, paper bags, c.l., (30,000 lbs.), f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river.....lb. .40 - —
2,000 to 9,999 lbs., cns., same basis..lb. .43 - —
200 to 1,999 lbs., cns., same basis..lb. .45 - —
1 to 199 lbs., cns., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
AYAW, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
QYNA, paper bags, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, paper bags, c.l. (30,000 lbs.), same basis..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHH, paper bags, c.l. (30,000 lbs.), same basis..lb. .52 - —
10,000 to 29,999 lbs., cns., same basis..lb. .54 - —
2,000 to 9,999 lbs., cns., same basis..lb. .53½- —
200 to 1,999 lbs., cns., same basis..lb. .57 - —
1 to 199 lbs., cns., same basis..lb. .67 - —
VYNS, paper bags, c.l. (30,000 lbs.), same basis..lb. .68 - —
10,000 to 29,999 lbs., cns., same basis..lb. .70 - —
2,000 to 9,999 lbs., cns., same basis..lb. .72½- —
200 to 1,999 lbs., cns., same basis..lb. .75 - —
1 to 199 lbs., cns., same basis..lb. .85 -

JACKSONVILLE, May 29.—Rosin receipts, 2,090 barrels; shipments, 880.

PENSACOLA, May 25.—Rosin receipts, 697 barrels; shipments, 1,047.

### Markets at Other Centers

**Chicago—May 31**

Rosin quiet. B grade, $6.75 per lot of 280 pounds; G grade, $7.45; M grade, $7.80; W. W. grade, $8.85.

LONDON, May 31.—Rosin, W. W., 30s per 112 pounds. Stock, 16,006 barrels.

### Other Naval Stores

**Pine Oil.**—Buying generally of a conservative character Market steady.

**Pitch.**—Quotations maintained on spot. Market tone steady. Trade routine.

**Rosin Oil.**—Market easier with basic material. Quotations reduced 1c. per gallon.

**Tar.**—Selling schedules unchanged. Fair movement of moderate lots.

### Driers

**Palmitates.** — Sales small during period under review. Prices steady.

**Stearates.**—Holiday interlude slowed trade. Prices unchanged.

### Varnish Gums

**Copals.**—Market status of Congo and East Indies gums still clouded. Domestic trade routine. Prices unchanged.

**Dammars.**—Little of new feature. Prices steady and unchanged.

### Dry Colors

**Bone Black.**—Contract prices will be unchanged during third quarter.

**Carbon Black.**—Business continued to hold to good levels. No decisions as yet regarding third quarter prices.

**Chrome Green.**—Business satisfactory during week. Prices steady.

**Chrome Yellow.**—Deliveries to consumers at good level. No changes in price.

**Mercuric Oxides.** — Continued strength in mercury failed to be reflected in prices for these derivities. Demand poor and shipments light.

**Ultramarine Blue.**—Contract prices will be unchanged during third quarter.

**Vermilion.**—Buying interest lacking due to extremely high prices necessitated by the strength of quicksilver.

## Lacquer Materials

Buying was held to moderate quantities in the market for lacquer materials and solvents last week. Consumers usually entered the market for necessary replacements against contracts. The outlook continued favorable. Export inquiries were somewhat restricted. No change in the prices, with the position of the market generally firm.

**Acetone.**—Moderate demand. Fair export inquiry. Market position firm and prices without change.

**Butyl Acetate.**—No change in prices. Shipments move steadily to regular channels.

**Cellulose Acetate.**—Business held at an even keel in this direction. Price-wise no new developments occurred.

**Diamyl Phthalate.**—Market position firm. Withdrawals routine.

**Ethyl Acetate.**—Satisfactory inquiry, with prices well maintained.

**Isopropyl Acetate.** — Withdrawals were fairly steady. No change disclosed in the quotations.

**Tricresyl Phosphate.**—Firm price tone prevailed. Shipments steady.

## Glues and Binders

**Casein.**—One prominent producer reported 20-30 mesh material ½c. per pound higher at 13½c. to 14c., while another reported market softer and price unchanged at 13c. to 14c. Similarly, Argentine material was reported unchanged at 12½c. per pound by one factor and 1c. per pound lower by another.

**Glues.**—Market somewhat sluggish. Present indications are that contract prices for third quarter delivery will be unchanged.

### Paint Exchange Club Elects Thomas Curran Treasurer

Thomas Curran, of the Payson Paint & Varnish Company, this city, was elected treasurer of the Paint & Varnish Exchange Club, Inc., at the second annual meeting held in the Brooklyn Engineers Club. Speaker for the evening was Julian Saphier, Strook & Wittenberg Corporation, this city. He spoke on synthetic resins, reviewing the history of phenolics and alkyds and their recent uses as substitute for chinawood oil.

### Oil Lease Rental Waiver Advocated by O'Mahoney

*OPD Washington Bureau*
*May 27, 1940*

The senate committee on public lands and surveys favorably reported a bill (S. 2915), introduced by Senator Joseph C. O'Mahoney of Wyoming, to give the Secretary of the Interior the power to waive rentals for the second and third lease years of all oil and gas leases issued under the leasing act of 1920 on lands not within any productive oil or gas fields.

Upon recommendation of the Department of the Interior, the committee modified the original bill, which would have eliminated the present requirement of a rental bond during the first three years of the lease. After the introduction of the original bill, the department ruled that no lease bond is required as long as the rental is paid in advance.

### Monsanto Phosphorus Output In Tenn. to Be Increased

Monsanto Chemical Company, St. Louis, is laying plans for additional electric furnace capacity for production of elemental phosphorus at its Monsanto, Tenn., plant, according to R. R. Cole, general manager of the phosphate division. Work will begin on the new addition in the near future and is expected to be completed early in 1941.

**California-Dalmatia** Olive Oil Manufacturing Company has been organized in Los Angeles with a capital of $25,000.

## Air-Drying Resins Give Hard Films

A new discovery which makes possible the production of hard, permanent films by air-drying urea-formaldehyde-butanol resins was discussed by T. S. Hodgins and A. G. Hovey, of Reichhold Chemicals, Inc., in a paper presented recently in the symposium on organic plastics at the meeting of the American Chemical Society. It was said that the results made it expectable that films of the nature of those produced by baking on refrigerators and automobiles could be produced on articles made of wood, leather, and other materials which are either too big to bake or will not stand the high temperature of baking.

The utilization of urea-formaldehyde-butanol resins has increased enormously in the past three years in the production of refrigerator enamels and of polychromatic synthetic finishes for automobiles. These resins greatly harden such enamels and increase their resistance to abrasion, grease, and chemicals. However, these resins are essentially polymerizing resins and not those which dry by oxidation, and on account of the high temperature (250° to 300° F. and even higher), the use of these excellent light-colored resins for hardening finishes for use on furniture and leather and other materials where high temperatures of baking are not possible has been decidedly limited up to now.

The use of relatively small quantities of acidic accelerators produced by the action of phosphoric anhydride on alcohols and similar substances containing hydroxyl groups has now made possible an extremely low bake at around 140° F. and even air-drying. The use of these catalysts to harden urea-formaldehyde-butanol resin finishes without the application of high heat now make possible on furniture the same abrasion-resistant, light-colored, grease-proof, and chemical-resistant finishes that are available at the present time on refrigerators and automobiles.

It is impossible to say, at the present time, just how far these air-drying urea - formaldehyde - butanol resins will go in furniture finishes which now are mainly nitrocellulose lacquers, but it is thought, inasmuch as the films of the new type become insoluble in solvents, whereas the nitrocellulose lacquers are always subject to attack by solvents, that, with a reasonable amount of research and development, this new type will go far in the production of hard, glossy wood finishes, such as those for bar tops and cabinets where long life and long-time preservation of the initial appearance in the face of all sorts of abuse are desired.

Furthermore, in contrast to nitrocellulose in the production of which useful materials are consumed, urea-formaldehyde resins can largely be synthesized from the air and from natural gas. The preparation of the raw materials requires only the pulling of nitrogen from the air to form ammonia subsequently to be reacted with carbon monoxide, and the "burning" of natural gas under such controlled conditions as to produce formaldehyde. The possible conservation of forests was advanced as a desirable step in the right direction.

## *Foreign Trade Openings*

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Chemicals, Industrial:—Bucharest, Rumania; purchase (46).

Iron Oxide:—Alexandria, Egypt; purchase (43).

Naphthalene, Refined:—Montreal, Canada; purchase (47).

Nicotine Sulphate:—Capetown, South Africa; purchase (24).

Petrolatum:—Maribor, Yugoslavia; purchase (41).

Pitch, Pine:—Jeddah, Saudi-Arabia; purchase (15).

Potash Bichromate:—Alexandria, Egypt; purchase (43).

Soda Bichromate:—Alexandria, Egypt; purchase (43).

Soybean:—Vancouver, Canada; purchase (27).

Sulphanilamide:—Seville, Spain; purchase (49).


✓ Condensed Checklist of Colors by IMPERIAL*

✓YELLOWS
Chrome Yellows (C.P. and Reduced)
Zinc Yellow (C.P.)
Yellow Toners and Lakes

✓ORANGES
Chrome Oranges (C.P. and Reduced)
Molybdate Oranges (Rex Orange)
Orange Toners and Lakes

✓REDS
Para Red Toners and Lakes
Toluidine Red Toners and Lakes
Lithol Toners and Lakes
Chlornitraniline Red Toner
Lake Red "C" Toners
Lake Red "D"
Lithol Rubine Toners
Pigment Scarlet Lakes
Rhodamine Toners and Lakes
Eosine Toners
Madder Lakes
Scarlet Lakes
Bordeaux Lakes
Helio Bordeaux
Alizarine Maroon Lakes
Azo Maroon Toners
Permanent and Fugitive

✓BLUES
Iron Blues (C.P. and Reduced)
Potash Blue
Peacock Blue Lakes (Fugitive)
Permanent Peacock Blue Toners and Lakes
Permanent Victoria Blue Toners

✓VIOLETS
Permanent Violet Toners and Lakes
Methyl Violet Toner (Fugitive)

✓GREENS
Chrome Greens (C.P. and Reduced)
C.P. Chromium Oxide Greens
C.P. Hydrated Chromium Oxide Green
Permanent Green Toners and Lakes
Green Lakes (Fugitive)

✓MISCELLANEOUS
Soluble Iron Blue
Paper Blues (Tinting)
Pulp Colors (All shades)

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**Three Better DIPENTENES**

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|---|---|---|---|
| Specific Gravity at 15.5°C. | .862 | .859 | .857 |
| End Point | 198°C. | 192°C. | 188°C. |
| Aniline Point | -21°C. | -15°C. | -12½°C. |

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**KENTUCKY COLOR & CHEMICAL CO.**
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## Beal Shell Collection Presented to Rollins

Dr J. H. Beal, noted pharmacal leader and former chairman of the U.S.P. board of trustees, has presented his extensive and valuable collection of shells to Rollins College, Winter Park, Fla. The collection will be housed in a new building given to the college by B. L. Maltbie, founder and chairman of the board of the Maltbie Chemical Company, Newark, N. J.

Dr. Beals collection of shells is one of the best, if not the best, private or public, in the world. It comprises thousands of rare and beautiful specimens gathered from all parts of the world over more than fifty years and is known to conchologists everywhere.

The building presented by Mr. Maltbie will be a one-story structure carring out the Spanish-Mediterranean architectural motif of the other campus buildings. It will have an exhibition room 35 by 65 feet and a large lobby. It will be completed in the Fall.

Dr Beal, since his retirement from active educational work, has lived in Florida, spending the Summers in Fort Walton on the gulf and the Winters in Cocoa on Merritt Island in the Indian river. Mr Maltbie is a regular Florida winterer and spends a large part of the year in Altamonte Springs. Because of their common broad interest in the affairs of the pharmacal profession and the drug industry, Dr. Beal and Mr. Maltbie have an intimate Floridian neighborliness.

## Polyvinyl Alcohol Discussed

The properties, uses, and applications of the polyvinyl alcohols are described in a technical bulletin just issued by the R. & H. chemicals department of E. I. duPont de Nemours & Co. The new compounds have developed considerable interest in commercial fields since their films, prepared from aqueous solutions by evaporation of water, are colorless, odorless, tasteless, transparent, exceedingly tough, and unaffected by all oils, greases, fats, hydrocarbons, and most of the common organic solvents. A copy of the new bulletin, labeled "PVA-Polyvinyl Alcohol," may be secured by addressing the R. & H. department of the DuPont Company, Wilmington, Del., mentioning the REPORTER'

## Sherwin-Williams Engages Stewart for Technical Staff

Dr. James K. Stewart has joined the research staff of the pigment color and chemical division of the Sherwin-Williams Company, Cleveland. He will be technical representative for Sherwin-Williams resins. Mr. Stewart was formerly affiliated with the Anderson-Prichard Oil Corporation, Oklahoma City, Oklahoma.

**Titanium Pigment** Corporation has removed its Western sales office from St. Louis, Mo., to 104 South Michigan avenue, Chicago, Ill.

**John W. Hanes,** former Under Secretary of the Treasury, has been elected a director of Johns-Manville Company, this city.

## Synthetic Resin Improvements Offered by Resinous Products

Two new resins, "Duraplex ND-77," and "Paraplex R.G.-4," have been added to the line of synthetic resins manufactured by the Resinous Products & Chemical Company. Both are recommended as ingredients in paint and protective coating formulations.

"Duraplex ND-77" is described as a high alkyd content resin, modified with non-drying oils. It is intended as a resin plasticizer and as a resin in nitrocellulose lacquers. "Paraplex R.G.-4" is said to be more compatible with hard resins and petroleum solvents than former members of the Paraplex line, and to lend improved color and gloss retention to exterior lacquers. Complete information on the new products may be obtained from salesmen of the Resinous Products and Chemical Company, 222 West Washington Square, Philadelphia, Pa., on mention of the REPORTER.

**Manganese ore** of low grade is reported to have been found near Boiling Springs, Pa. The deposit is said to be of such value that a mill will be put in operation on it within the next few months.

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tory during week. Prices steady.

# Oils, Fats, and Waxes

**Refined Cottonseed Oil Futures Irregular with Lard—Southern Crude Offerings Light—Olive Oil Continues Firm—Coconut Steady — Chinawood Easy — General Market Quiet**

There was little change in the character of business in miscellaneous oils, fats and greases last week in the absence of anything stimulating in political developments abroad or in the markets for speculative commodities of importance here. The war news was of a depressing nature and the action of the markets for refined cottonseed oil and lard futures was disappointing in view of the recent announcement of government plans to support and stabilize lard prices. In such circumstances consumers of other oils and fats were generally disposed to adhere to a hand-to-mouth course in making purchases, the movement of small lots for the week apparently being lighter than in the previous period. On the other hand there was no pressure of offerings and the general market had a fairly steady tone. There were few changes in prices.

## Chinawood Oil

The local spot market for chinawood oil remained in an easy position, although quotations did not change materially during the period. Business was quiet much of the time, buyers in many cases being disposed to hold off for further developments abroad, and also in other commodities here. There were reports of occasional transactions in tankcars at 21½c., or a shade below that figure, the volume of business closed for the week apparently being unimportant. In the principal selling quarter prices continued to be maintained at previous levels. Some business was reported to have been closed at around 20½c. for July arrival. Importations of 135,000 pounds were reported at Los Angeles, and 584 tons and a quantity at New York.

SAN FRANCISCO, May 28.—Chinawood oil was slightly easier at 19¾c. to 20c. per pound, tankcars, July and later arrival. Few sales reported.

## Vegetable Oils

**Castor, Dehydrated.** — Consumption reported holding up. New business fairly active. Market steady.

**Coconut.**—Crude and refined oil unchanged. Tone apparently steady. Business quiet.

**Corn.**—Crude easier with competing product. Quotations shaded ⅛c. to ¼c. Offerings light. Fair inquiry.

**Cottonseed.** — Edible oil quotations held at former levels. Business somewhat better.

**Oiticica.** — Prevailing tone steady. Spot stocks light or moderate. Fair inquiry.

**Olive.**—Tone firm. Numerous inquiries. Stocks decreasing.

**Peanut.**—Crude easier with competing oil. Nominal quotations shaded ⅛c.

**Perilla.**—Nominal in absence of spot supplies. Seed imports at Tokio first quarter of current year 2,961,000 kin, decrease of 86 percent compared with same time last year; no oil exports first quarter 1940.

**Rapeseed.**—In small supply on spot and firm. Few inquiries reported.

**Soybean.** — Quotations underwent little change. Offerings from all products reported lighter. Fair inquiry.

## Markets at Other Centers

**San Francisco,** May 28.—Vegetable oils lack strength. Moderate movement of some products.

COCONUT.—Crude sold at 2⅝c. per pound, Coast, tankcars. Copra quiet; nominally 1.60c. per pound.

BABASSU.—Quiet; 5⅜c. per pound, tankcars.

OITICICA.—Drums, 18c. per pound.

COTTONSEED.—Bleachable, 6⅜c. per pound, tankcars.

RAPESEED.—Nominally at 8¾c. per pound, tankcars.

**Chicago,** May 31.—Vegetable oils quiet and easy.

COCONUT.—Crude, 2¾c. to 2⅞c. per pound. Refined, edible oil, 7¾c. to 8¼c. per pound, drums, car lots; 8¼c. to 8¾c., drums, less car lots.

CORN.—Crude, low acid, 5¾c. to 6c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; 8¾c. to 9c., drums, less car lots.

SOYBEAN.—Crude, 5c. to 5⅜c. per pound, May-forward.

The market for soybeans on the Chicago Board of Trade was quieter. Price movements narrower than in recent preceding weeks. Following is a soybean price record, per bushel, for the week:—

| | High. | Low. | Closing May 31. | Closing May 24. |
|---|---|---|---|---|
| Cash, No. 2 | 89½ | 87½ | ... | ... |
| July | 89¾ | 89½ | 89½ | 89½ |
| October | 78 | 77 | 77 | 77⅝ |

## Linseed Oil

Flaxseed prices were irregular. Linseed oil lower. Cake and meal steady.

**Flaxseed**—DULUTH, May 31.—Trading in flaxseed here is restricted to a minimum. Cash premiums vary according to demand for spot and on track seed. The lake shipping season is depleting the amount on hand.

The week's closing price range was as follows:—

| | Cash. | July. | Sept. |
|---|---|---|---|
| Saturday | $1.87 | $1.83 | $1.77½ |
| Monday | 1.85 | 1.82 | 1.77½ |
| Tuesday | 1.86 | 1.82 | 1.77½ |
| Wednesday | 1.86 | 1.82 | 1.77½ |
| Thursday | * | ... | ... |
| Friday | 1.86 | 1.84 | 1.77½ |

* Holiday.

Crop movement in bushels follows:—

| | Receipts 1940. | Receipts 1939. | Shipments 1940. | Shipments 1939. |
|---|---|---|---|---|
| This week | 19,094 | 14 | 1,132 | ..... |
| Since Aug. 1. | 4,206,499 | 1,587,998 | 4,293,868 | 1,589,951 |

MINNEAPOLIS, May 31.—Flaxseed receipts the past week were fairly liberal but met with ready outlet and premiums were strong. Most of the flax came from Northern territory to diversion points and moved to Duluth for shipment east. Crop conditions are good, although plants have not made much growth on account of cool weather. They are from 2 to 6 inches in height and very healthy color. Local elevator stocks are decreasing steadily.

Trade in futures has been light of late.

The week's closing price range was as follows:—

| | Cash. | July. | Sept. |
|---|---|---|---|
| Saturday | $1.85 | $1.79 | $1.76½ |
| Monday | 1.85 | 1.78 | 1.76½ |
| Tuesday | 1.85 | 1.78 | 1.76½ |
| Wednesday | 1.85 | 1.78 | 1.76½ |
| Thursday | * | ... | ... |
| Friday | 1.85 | 1.78 | 1.76½ |

* Holiday.

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*Purchasing Agents, June 3-6, Cincinnati.*

### Price Changes

**Advanced**

Carnauba wax, No. 1 yellow, 1c. per lb.
No. 2 yellow, 1c. per lb.
Olive oil, edible, 10c. per gal.

**Reduced**

Beeswax, crude, African, 1c. per lb.
Carnauba wax, No. 3 North Country, 1½c. per lb.
Corn oil, ⅛c. per lb.
Grease, ⅛c. per lb.
Lard, 15c. to 25c. per 100 lbs.
Linseed oil, 2/10c. per lb.
Peanut oil, crude, ⅛c. per lb.
Tallow, ⅛c. per lb.

### Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **102.6** | **102.8** | **103.4** | **99.5** |

Market news that may have developed after this report was sent to press will be found on page 4.

Crop movement in bushels follows:—

| | Receipts 1940. | Receipts 1939. | Shipments 1940. | Shipments 1939. |
|---|---|---|---|---|
| This week | 35,000 | 12,000 | 16,800 | 2,400 |
| Since Sept. 1. | 4,416,600 | 1,689,140 | 2,154,300 | 648,940 |

WINNIPEG, May 31.—The week's closing flaxseed price range was as follows:—

| | Cash. | July. | Oct. |
|---|---|---|---|
| Saturday | $1.57 | $1.61⅛ | $1.64 |
| Monday | 1.54 | 1.57½ | 1.60½ |
| Tuesday | 1.52 | 1.53⅝ | 1.57 |
| Wednesday | 1.55 | 1.56½ | 1.60 |
| Thursday | 1.58½ | 1.60 | 1.63 |
| Friday | 1.61½ | 1.63 | 1.66 |

BUENOS AIRES, May 31.—Opening prices per bushel on June contracts were:—

| | Last week. | Last year. |
|---|---|---|
| Saturday | $1.14⅝ | $1.44 |
| Monday | 1.15⅛ | 1.44 |
| Tuesday | 1.08⅞ | 1.42¼ |
| Wednesday | 1.08⅞ | * |
| Thursday | 1.08⅞ | * |
| Friday | 1.14⅝ | 1.43⅝ |

* Holiday.

**Exports**

| To— | Bushels Last week. | Bushels Previous week. | Bushels Last year. |
|---|---|---|---|
| United States | ..... | 102,000 | 551,000 |
| United Kingdom | 59,000 | ..... | 59,000 |
| Continent | 441,000 | 543,000 | 232,000 |
| Orders | ..... | ..... | ..... |
| Others | ..... | ..... | ..... |
| Totals | 500,000 | 645,000 | 842,000 |

**Since January 1**

| To— | Bushels This year. | Bushels Last year. |
|---|---|---|
| United States | 8,013,000 | 7,576,000 |
| United Kingdom | 5,380,000 | 5,053,000 |
| Continent | 11,022,000 | 9,294,000 |
| Orders | 598,000 | 598,000 |
| Others | 438,000 | 146,000 |
| Totals | 25,451,000 | 22,667,000 |

**Visible Supply**

| | Bushels. |
|---|---|
| Last week | 5,118,000 |
| Previous week | 5,118,000 |
| Last year | 5,900,000 |

HULL, May 31.—La Plata flaxseed quoted at £15 3/8 per long ton; Bombay, £19¼.

**Linseed Oil.**—An easier tone developed, competition among sellers being lesser in the absence of any improvement in demand. Quotations were shaded two points by some crushers. The movement of oil contracts held up fairly well, but new

STEARIC ACID
Single Pressed and Double Pressed
*Available in either cake or flake form*
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
*Branches and stocks in all large cities*

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 122 East 42nd Street, New York
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

Prompt Delivery — Drums, Barrels Or Tank Cars

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids
Palm Oil Fatty Acids
Lauric Acid
Coconut Oil Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

business was quiet, consumers and dealers being disposed to hold aloof in many cases owing to the depressing war news from Europe and weakness in various other products. There was little change in the character of crop news from the Northwest, reports generally being favorable, although temperatures in some sections were rather low. Receipts of seed at terminal points showed some increase. Demand from crushers was good. An official estimate of the crop in Argentina made the yield only 39,921,000 bushels, or 4,000,000 less than the previous estimate and 9,000,000 bushels less than the first estimate for the season. Supplies available for export were put at only 9,281,000 bushels. The Buenos Aires flaxseed prices was reported to have been pegged late in the week at $1.14⅛ per bushel.

**MINNEAPOLIS, May 31.—Because of muddled military news from abroad and very unsettled grain prices there is less interest shown in linseed oil.**

**Shipping instructions still are good. Mills are operating 65 percent of capacity and manage to dispose of their supplies as fast as they are made.**

Quotations on carload lots, f.o.b. Minneapolis, cooperage, 10.4c. per pound; tankcars, 9.8c. per pound; warehouse lots, 10.8c. per pound.

Shipments of oil in pounds were as follows:—

| | 1940. | 1939. |
|---|---|---|
| This week | 2,650,000 | 1,320,000 |
| Since Sept. 1 | 110,870,000 | 58,827,332 |

**SAN FRANCISCO, May 28.—Fair demand for spot and nearby linseed oil. Active movement on contracts. Tankcars 9.2c. per pound.**

CHICAGO, May 31.—Linseed oil quiet. Tankcar, 9.8c. per pound; car lots, 10.4c.; less than car lots, 10.8c.

**Cake and Meal.**—Tone steady. Prices unchanged. Domestic and export trade slow.

MINNEAPOLIS, May 31.—Meal prices are down and demand for offers is very limited, chiefly because of the decline in grains and millfeeds. Very fine pasturage outlook through most of feeding territory. Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $29 to $29.50 per ton.

Shipments of meal in pounds were as follows:—

| | 1940. | 1939. |
|---|---|---|
| This week | 1,960,000 | 1,120,000 |
| Since Sept. 1 | 147,370,000 | 78,466,650 |

CHICAGO, May 31.—Linseed meal slow. Round lots, $31 per ton; car lots; $31 to $31.50; less than car lots, $33 to $33.50.

## Cottonseed Oil

Refined cottonseed oil futures were irregular, price movements being narrower than in recent preceding weeks. Southern markets for cottonseed products were generally quiet.

**Cottonseed Oil.**—Trading in refined cottonseed oil futures was comparatively quiet much of the time last week, few operators being inclined to add materially to their commitments on either side of the account pending further developments in the political situation abroad. Fluctuations in prices were within narrower limits than in recent preceding weeks, the trend of the market being upward at one time early in the period, with a reactionary tendency later. Liquidation was renewed on upturns while on setbacks shorts covered and there was more or less new buying for account of trade interests. July was switched to October at 9 points difference, to December at 13 points, and to January at 15 points. September was switched to December at 6 points difference.

Lard futures displayed weakness at times, the course of that commodity being regarded as disappointing by some in view of the recent announcement of plans to support and stabilize lard prices. The export movement of lard continued light. Demand for cash refined cottonseed oil failed to show the improvement that some had expected at the low prices now prevailing. Offerings of crude oil in Southern markets continued light. Vegetable products which compete with cottonseed oil were easier in some cases. Reports in regard to the progress of the cotton crop were conflicting. There were frequent complaints of abnormally low night temperatures and rainfall in some sections was excessive.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 24 to May 31, inclusive, comprise 343 contracts, a total of 20,580,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks | | |
|---|---|---|---|
| | High. | Low. | Close. |
| January | 6.34 | 6.07 | 6.07@6.10 |
| July | 6.20 | 5.92 | 5.96@5.98 |
| September | 6.28 | 5.98 | 6.00 sale |
| October | 6.28 | 5.99 | 6.00@6.03 |
| December | 6.20 | 6.03 | 6.04@6.07 |

Crude, Southeast, .05c.@.05¼c. Nom.

**Chicago, May 31.—Cottonseed oil quiet. Refined, edible, 8¾c. to 9¼c. per pound, barrels, car lots; 9¼c. to 9¾c., less car lots.**

**Cake and Meal.**—Offerings of spot material were reported as light in all Southern markets, and the prevailing tone appeared to be steady. A fair meal trade was noted in some sections.

### Markets at Other Centers

**Atlanta, May 28.—Prime crude cottonseed oil quoted 5¾c. per pound, nominal. Eight percent meal, $30 to $31.50 per ton. Replanting of cotton has been frequent in the Southeast. Cool nights hold the crop back.**

**MEMPHIS, May 31.—Crude cottonseed oil quiet. Quoted 5c. to 5¼c. nominal. Meal quiet; prime 41 percent $28.50 per ton. Valley cake $25.50 per ton. Very few mills running this section. Meal stocks very light. Cotton crop late owing continued cool weather. Closing meal quotations on the Memphis exchange were as follows:—**

| | May 23. | May 29. |
|---|---|---|
| July | $24.25@25.00 | $23.85@23.95 |
| September | 21.80@22.25 | 21.55@21.95 |
| October | 20.50@20.75 | 20.45@20.65 |
| December | 20.25@20.50 | 20.25@20.50 |

## Fatty Acids

**Castor Oil.**—Steady movement of this fatty acid into consuming channels on contracts. New business quieter.

**Coconut Oil.**—Basic material steady and fatty acid prices maintained. Fair demand.

**Cottonseed Oil.**—Fatty acid consumers buying for current needs only. Prices generally maintained.

**Myristic Acid.**—Fair movement into local and other consuming channels. Market steady.

**Palm Oil.**—Somewhat better request for moderate quantities. Quotations maintained.

**Red Oil.**—Business generally of a conservative character pending further developments in basic material.

**Stearic Acid.**—Increase noted in demand for moderate lots for prompt shipment to local and outside consumers.

**Chicago—May 31**

Moderate demand for fatty acids.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9½c. per pound, tankcar; 9½c. to 10c., barrels, car lots; coconut, acidulated, 10c. to 10¼c. per pound, tankcar; 10½c. to 10¾c., barrels, car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed soap stock, 50 percent basis, 1¾c. to 2c.

## Fish Oils

**Menhaden.**—Purchasing of refined oil limited to unimportant quantities. Market steady.

**Sardine.**—Local refined oil prices unchanged. Fair movement of small lots.

**Sperm.**—Fairly active demand for small or moderate quantities. Prices unchanged.

**Whale.**—Consumers purchasing refined oil for current needs only. Market steady.

### Markets at Other Centers

**Baltimore, May 28.—Crude menhaden oil quiet. Prices about stationary. Fishing started off New Jersey coast. No reports as to results. Fishing off North Carolina and Florida poor.**

**San Francisco, May 28.—Few tanks new crop Washington crude sardine oil sold at 35c. per gallon. Old crop California oil nominally 45c. per gallon.**

## Fats and Greases

**Grease.**—Fair demand for small lots to fill current needs. Spot stocks reported light. Prices reduced ⅛c. per pound.

CHICAGO, May 31.—Choice white grease, 4¼c. to 4½c. per pound; yellow, 3¾c. to 4c.

**Lard.**—Somewhat better request for moderate lots from domestic consumers. Export trade quiet.

CHICAGO, May 31.—Following is a lard price record, per 100 pounds, for the week:—

| | | | Closing | |
|---|---|---|---|---|
| | High. | Low. | May 31. | May 24. |
| Cash | $5.17 | $5.00 | $5.00 | $5.17 |
| July | 5.35 | 5.00 | 5.07 | 5.25 |
| October | 5.70 | 5.25 | 5.27 | 5.55 |

**Stearin.**—Business remained quiet. Offerings light. Tone fairly steady.

CHICAGO, May 31.—Prime oleo stearin, barrels, 5¾c. to 6c. per pound; lard, 6c. to 6¼c.

**Tallow.**—Occasional small-lot inquiries reported. Large buyers holding off. Prices reduced ⅛c. per pound.

CHICAGO, May 31.—Edible tallow, tierces, 4½c. to 4¾c. per pound; inedible, prime, 4⅜c. to 4½c.; special, 4c. to 4¼c.

Trading in tallow futures on the New York Produce Exchange from May 24 to May 31 consisted of two contracts, totaling 120,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks | | |
|---|---|---|---|
| | High. | Low. | Close. |
| July | ... | ... | 4.20 nom. |
| October | ... | ... | 4.20 nom. |

## Animal Oils

**Lard.**—Quotations stationary. Purchasing limited to small lots for prompt shipment.

CHICAGO, May 31.—No. 1 lard oil, 8¼c. to 8½c. per pound.

**Neatsfoot.**—Prices held at former levels. Fair movement of comparatively small quantities.

**Oleo.**—Somewhat better request in a jobbing way. Market steady.

CHICAGO, May 31.—Extra oleo oil, 7c. to 7¼c. per pound.

**Tallow.**—Prices stationary. Demand limited to small lots.

CHICAGO, May 31.—Acidless tallow oil, 8¼c. to 8½c. per pound.

## Waxes

**Bees.**—Quiet. Somewhat unsettled. Conditions seemed to favor buyers. African wax around 21c. Brazilian about 24c. White bleached and refined yellow subject to shading.

**Candelilla.**—Less active. Still steady in price.

**Carnauba.**—Quiet. Competitive. Prices subject to shading on North Country grade. Chalky holding. Yellow grades pressed less strongly and prices gain slightly. Brazil easier. Quotations:—No. 3 chalky, ton lots, 58c. to 59c. per pound; No. 2 North Country, 67c. to 68c.; No. 3 North Country, ton lots, 61c. to 62c.; No. 1 yellow, ton lots, 74c. to 75c.; No. 2 yellow, 73c. to 74c.

**Japan.**—Steadier to firmer. No change in price. Somewhat better demand.

## *Trade Briefs*

**Phosphate rock** exports from Tunisia during 1939 reached 1,902,641 metric tons, as compared with 1,591,239 metric tons during 1938.

**Standard Oil Company** of New Jersey will spend $104,150 on a three-story addition to the office building at its Bayway, N. J., refinery.

**'Xtraline'** is the name of a new higher octane gasoline developed by the Sterling division of the Quaker State Oil Refining Corporation.

**Major B. A. Hardey,** vice-president of the Independent Petroleum Association of America, has been named Louisiana State Conservation Commissioner.

**J. M. Duncan,** for twenty-seven years Los Angeles district credit man for the Standard Oil Company of California, retired May 1 from active service.

**Shell Oil Company,** San Francisco, recently feted fifty-two employees who have been in the company's service in the New Orleans plant for twenty years or more.

**E. W. Colledge, Inc.,** general sales agents, this city, has moved from 300 Madison avenue to 52 Vanderbilt avenue. The new telephone number is MUrray Hill 6-6466.

**Kansas Standard Oil** Company has completed $3,600,000 of financing, consisting of $1,800,000 secured 2 percent notes and $1,800,000 of secured 3¼ percent debentures.

**M. K. Robinson,** of the Eastman Kodak Company, Rochester, has been reappointed to the advisory committee for self-insurance of the New York State Department of Labor.

**Robert Calvert,** specializing in chemical patents, has moved his office to 60 East forty-second street, this city, and is now associated with the firm of Mann & Burrows.

**Air Reduction** Sales Company, compressed gas manufacturer, this city, has appointed E. H. Anchors manager of the Oklahoma City district. He formerly was manager at Atlanta, Ga.

**Standard Oil Company** of New Jersey will erect two crude-type stills at its Bayway, N. J., refinery. With a daily capacity of approximately 30,000 barrels of crude oil, the stills will cost more than $2,500,000.

**Hamman Exploration Company,** Austin, Tex., will construct a $250,000 casing-head gasoline and gas recycling plant in the Hamman field, Matagorda County, where the company has nineteen wells.

**William S. Murray,** former chairman of the Republican State Committee, has opened an office of the Indium Corporation of America, of which he is president, at 60 East Forty-second street, this city.

**Oilseed crop experiments** are planned by the National Farm Chemurgic Council in Louisiana and neighboring States. J. C. P. Helm, New Orleans chemist, has been engaged to direct the work. Castor, chia, and safflower will be planted.

**Charles L. Huisking,** president of Charles L. Huisking & Co., chemicals and drugs, this city, is making excellent recovery from an accident in which he sustained three fractured ribs, numerous bruises and painful contusions. He said last week that he deeply appreciated the many telegrams and letters sent him by many friends throughout the country.

**Medicinal** and toiletry raw materials of Chinese origin will be offered by a visitor from China who is expected to arrive in the United States around June 1 for a visit of from three to four months. Details relative to this visitor are available to accredited American firms from the Chemical Division of the Department of Commerce. Please refer to Foreign Visitor No. 1282.

E. A. BROMUND COMPANY
—o—
crude—Carnauba Wax—bleached
Candelilla Wax
Montan Wax (substitute)
—o—
258 BROADWAY, NEW YORK CITY
BArclay 7-8445 Est. 1880

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yoppa, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.
SPECIFY TL BRAND
BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon ESTABLISHED 1852 Paterson, N. J.

# Industrial Uses of Chemicals and Related Materials

**(Formerly Styled "Where You Can Sell")**

## Producers' Guide to New Markets Technical Information for Processors

**Fully protected by copyright**

**Six-hundred-ninety-ninth Recapitulative Instalment**

**(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)**

## Barium Sulphide

**(Barium Monosulphide, Barium Sulphidum, Schwefelbaryum, Solfuro Barico, Solfuro de Bario, Solfuro di Bario, Sulfure de Baryte, Sulfure Barytique, Sulfure de Baryum, Sulphide of Baryta, Sulphuret of Baryta)**

**Building Construction**

Process material (U.S. 1346287) in—
- Fireproofing shingles and other wooden materials

**Chemical**

Precipitating agent (U.S. 1434693) for—
- Antimony
- Arsenic
- Cadmium

Process material in making—
- Ethyl alcohol (U.S. 1284739 and 1284740)
- Lithopone (U.S. 1139437, 1140354, 1142795, 1256593, 1259708, 1260811, 1260812, 1301909, 1356387, 1395811, 1399500, 1411645, 1411646, 1411647, 1411648, 1414793, 1425436, 1425437, 1427826, 1446637, 1455963, 1474766, 1478347, 1480807, 1486077, 1494674, and 2007527)
- Phenol (U.S. 1301909)
- Phosphoric acid (U.S. 1511929)

Purifying agent for—
- Sodium chloride (U.S. 1475563)
- Zinc sulphate solutions (U.S. 1427826)

Reactant in making—
- Antimony sulphide (U.S. 1415127)
- Barium benzenesulphonate (U.S. 1301909)
- Barium carbonate (U.S. 1247510, 1284739, 1284740, 1346287, 1378595, and 1444623)
- Barium chloride (U.S. 1167061, 1378594, and 1495893)
- Barium hydroxide (U.S. 1238242, 1316133, and 1460180)
- Barium nitrate (U.S. 1285824, 1321013, and 1427441)
- Barium phosphate (U.S. 1213330)
- Barium sulphate (U.S. 1256593, 1409648, 1457934, 1457935, and 1468867)
- Sodium sulphide (U.S. 1213330)
- Sulphur, thionate, thiosulphate, and sulphite (U.S. 1167061 and 1262295)
- Zinc sulphide (U.S. 1238242, 1347435, and 1460699)

Reagent for—
- Recovering ammonia (U.S. 1378594, and 1378595)
- Removing zinc sulphate from lithopone (U.S. 1260811 and 1260812)

Starting point in making—
- Barium carbonate (Germ. 565232)
- Barium salts
- Hydrogen sulphide

**Cosmetic**

Ingredient of—
- Depilatories

**Disinfectant**

Ingredient of—
- Disinfectant (U.S. 1457652)
- Germicide (U.S. 1343034)

**Electrical**

In making electric batteries (U.S. 1316760)

**Fertilizer**

Ingredient (U.S. 1188898) of—
- Fertilizing composition

**Insecticide and Fungicide**

Ingredient of—
- Fungicide (U.S. 1457652)
- Insecticide (U.S. 1343034, and 1457652)

Process material in making—
- Polysulphides of barium for use as plant insecticides (Germ. 627622)

**Leather**

Depilatory for—
- Hides
- Pelts
- Skins

**Miscellaneous**

Process material in making—
- Light-transforming composition (U.S. 1196144)
- Motion-picture screen (U.S. 1166569)

**Paper**

Reagent (U.S. 1284739, and 1284740) for—
- Treating cellulose sulphite liquor

**Paint and Varnish**

Pigment in—
- Luminous composition (U.S. 1407534)
- Luminous paints

Process material in making—
- Lithopone
- Lithopone (special) (U.S. 1139427, 1140354, 1142795, 1256593, 1259708, 1260811, 1260812, 1301909, 1356387, 1395811, 1399500, 1411645, 1411646, 1411647, 1411648, 1414793, 1425436, 1425437, 1427826, 1446637, 1455963, 1474766, 1478347, 1480807, 1486077, 1494674, and 2007527)
- Ocher substitute (U.S. 1175751)
- Pigments (U.S. 1175751, 1205144, 1213330, 1220973, 1234260, 1240405, 1399506, 1405109, and 1413565)
- Selenium pigments ranging from bright-red to deep-purple (U.S. 1894931)
- Titanium oxide pigments (U.S. 1223357, and 1223358)

**Rubber**

In vulcanizing processes

**Wood**

Process material (U.S. 1346287) in—
- Fireproofing wood

## 1:5-Bis-alphabetadiphenylethylamino-4-hydroxyanthraquinonesulphonic Acid

**Dye**

Claimed (Brit. 497016) as—
- Bright-blue wool dye of good fastness to washing, milling, and light

## Cetylamine

*(Additional uses supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)*

**Chemical**

Starting point (Brit. 457810) in making—
- Artificial waxes for polishes, carbon paper, stencils, and textiles, by reacting with mixtures of—
  - Dilaurylamine
  - Docosylamine
  - Hexadecylamine
  - Methylheptadecylamine
  - Montanic acid
  - Octadecylamine
  - Palmitic acid
  - Stearic acid

## 3-Chlor-4-methyl-6-N-dimethylsulphonamidoanilin

**Dye**

Reactant in—
- Dye syntheses

Starting point (Brit. 496735) in making—
- Yellowish-red or yellowish-scarlet dyes of good fastness to light

## Dichloroethylamine Hydrochloride

**Chemical**

Reactant in—
- Organic syntheses

Reactant (Brit. 468387) in producing—
- Cyclic imines

Reagent (Brit. 468387) for—
- Introducing aminoalkyl residue in organic compounds

## Dioleylpyridinium Phosphite

**Lubricant**

Starting point (Brit. 457548) in making—
- High-pressure lubricants, die-making lubricants, boring oils, drilling oils, cutting oils, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

## Fluoarachidic Acid

**Disinfectant**

Germicide (Brit. 453830) in—
- Disinfectant soaps

## Hydroxymyristic Acid

**Chemical**

Reactant in—
- Organic syntheses

Starting point (Brit. 416631) in making—
- Nitriles, with ammonia

## Iso-octylphenyl Chloroformate

**Chemical**

Starting point (Brit. 461357) in making—
- Capillary-active products, useful as wetting, cleansing, and dispersing agents, by reacting with—
  - Alphanaphthylamine
  - Anilin
  - Benzidin
  - Betanaphthylamine
  - Ethylamines
  - Ethylenediamine
  - Hexylamine
  - Mesidene
  - Methylamines
  - Pseudo-cumidin
  - Toluidin
  - Xylidin

## Manganese Carbonate

**Chemical**

*(Continued from May 27 issue)*

Process material in making—
- Alkali bromide (U.S. 1437740)
- Catalyst for dehydrogenation processes (U.S. 1271013)
- Catalyst for hydrocarbon cracking processes (U.S. 1168404 and 2006996)
- Catalyst for hydrogenation processes (U.S. 1271013)
- Catalysts for oxidation processes (U.S. 1345323, 1473543, and 1473544)
- Catalysts for various purposes (U.S. 1168404, 1502260, and 2006996)
- Catalysts used in making ammonia (U.S. 1473543 and 1473544)

Starting point in making—
- Manganese dioxide (U.S. 1247278, 1269914, 1275666, 1293461, 1293462, 1293463, 1330738, and 1343390)
- Manganese nitrate (trihydrate) (U.S. 2017980)
- Manganese oxide (U.S. 1178927, 1293463, and 1912877)
- Manganese perchlorate (U.S. 1423071)
- Manganese salts

**Electrical**

Process material in making—
- Depolarizers for dry batteries (U.S. 1178927, 1221062, and 1322001)
- Electrode (U.S. 1423071)
- Welding electrode (U.S. 1519007)

**Fats and Oils**

Preventer (Brit. 410834) of—
- Discoloring action of air and light on—
  - Animal fats and oils
  - Vegetable fats and oils

**Fertilizer**

Ingredient of—
- Fertilizing compositions
- Fertilizing compositions (special) (U.S. 1283677, 1518568, 1518569, and 1518570)

**Metallurgical**

Ingredient of—
- Antirust coating baths for iron and steel (solution of the carbonate in dilute phosphoric acid) (French 698878)

Process material (U.S. 1167700 and 1167701) in making—
- Zinc

**Military**

Process material in making—
- Gas absorbent (U.S. 1422211)
- Hopcalite (U.S. 1345323)

**Miscellaneous**

Process material (U.S. 1142953) in making—
- Waterproofed leatherboard

**Paint and Varnish**

As the pigment (manganese white)

Pigment in—
- Paints, enamels, and other coatings

**Pharmaceutical**

In compounding and dispensing practice

**Sanitation**

Neutralizing agent (U.S. 1392211) in—
- Sewage treatment

**Textile**

Process material (U.S. 1163438) in—
- Bleaching—
  - Cotton
  - Linen
  - Vegetable fibers

## Octadecylvinyl Sulphide

**Chemical**

Reactant in—
- Organic syntheses

Starting point (Brit. 446992, 450559, and 454675) in making—
- Sulphonic acids with—
  - Calcium bisulphite
  - Magnesium bisulphite
  - Potassium bisulphite
  - Sodium bisulphite

## Trichloroethylbenzene

**Chemical**

Reactant in—
- Organic syntheses

Starting point (Brit. 497580 and 497581) in making—
- Heat-transfer media by distilling and collecting the fractions with boiling ranges 260°-270° C.; 270°-280° C. (?285° C.); and 285°-305° C.

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The standard forms of Monsanto Aspirin provide the physical characteristics which will supply by far the majority of the requirements of the trade. Tablets made with Monsanto starch granulations are unsurpassed in appearance, finish, disintegration and texture of the disintegrated mass. The standard forms are also adaptable to economical use in the manufacture of compound tablets.

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**ACETYL SALICYLIC ACID U. S. P.**
**10% starch granulation**
**white 12-50 mesh**

**ACETYL SALICYLIC ACID U. S. P.**
**16% starch granulation**
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**ACETYL SALICYLIC ACID U. S. P.**
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**white 12-50 mesh**

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# Drugs, Fine Chemicals

**Ephedrine Alkaloid, Hydrochloride and Sulphate Down Sharply —Quicksilver Advance Extended — No Change in Mercurials—Corn Syrup Up—Demand Steady**

Surrender of the king of the Belgians to Germany brought no repercussions to the local drug market. Belgium means little to this country so far as drugs and fine chemicals are concerned, though numerous other REPORTER products are of considerable importance. It was not felt that the surrender by the Belgian king would shorten the war. Time is the only solvent of that question.

Meanwhile, quicksilver continued to advance without causing any change in quotations on mercurials. Domestic production of metal has been sold well ahead. Tartar products were as strong as ever. Higher prices on tartaric acid and cream of tartar, set up in the previous week, were maintained but change in prices on Seidlitz mixture and Rochelle salt were still in abeyance.

Ephedrine and its salts were sharply lower, this continuing the steady downward movement that began with major offering of the USP synthetic material. Silver and its salts remained on the rise. Corn syrup brought higher prices once more and closed the week strong.

Demand for many medicinal items has been vastly stimulated by the steady shipments of remedial agents much needed in Europe and shipped there increasingly by the Red Cross. In general, the market undertone was firm as a whole and signs of unsettlement were lacking.

**Acid, Citric.**—Steady. Unseasonable weather curtails consumption.

**Acid, Tartaric.**—Strong at late advance. Raw material cost high. Demand fair. Should be larger now.

**Agar.**—Firm market on No. 1. Fair to better demand. Stocks moderate.

**Alcohol.**—Firm. Moving normally. Undertones show strength. Raw material situation no easier. Consumption showing signs of gain.

**Aloin.**—Slightly easier undertone. No change in price. Raw material not likely to decline much.

**Aminopyrine.**—Routine request at well stabilized prices. Trade about normal.

**Barium Sulphate.**—Stabilized. Normal demand. Supplies ample.

**Bromine and Bromides.**—Reasonably active along normal lines. Very steady undertones. Liberal coverage of future needs.

**Caffeine.**—Alkaloid strong. Regular consumers being supplied. Contracts being taken. Sales on speculative account virtually eliminated. Producers believe regular requirements of regular customers will be supplied.

**Calcium Gluconate.**—Normal activity. Steady prices. Little competition. Fair stocks.

**Calcium Glycerophosphate.** — Fair activity along lines covering prompt requirements. Prices very steady.

**Camphor.** — Strong. In moderate supply. Speculative buying frowned on. Domestic synthetic moving well under contract.

**Castor Oil.**—Potentially easier due to present cost of raw material for later arrival. No change yet in schedule.

CHICAGO, May 29.—Castor oil softer. Prices are:—Cold pressed, U.S.P., barrels, car lots, 12⅝c. per pound; barrels, car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

**Chloroform.** — Normal activity at firm prices. Little local competition. Ample production.

**Cinchophen.** — Last change was an advance, not a decline as reported. Market continues very steady, all quarters report.

**Cocoa Butter.** — Firmer trend sustained. Price recovery maintained. Fair trading.

**Corn Syrup.**—Prices up 10c. Market: 42-degree syrup, $3.32 per 100 pounds; 42-degree, $3.37. Changing cost of production the cause. Demand steady.

**Cream of Tartar.**—No further price rise. Still strong and tending higher. Little change for favorable turn in production cost.

**Ephedrine.**—Sharply lower. Alkaloid, 1,000-ounce lots, $1 per ounce; 100-ounce lots, $1.10; hydrochloride and sulphate, 1,000-ounce lots, 80c.; 100-ounce lots, 90c.

**Epsom Salt.** — Steady. No special demand, but a regular and well-sustained movement. Prices apparently

**Glycerin.**—No price changes. Good stable.
and exceptionally steady request. Undertones firm. No unusual competition. Sales compare satisfactorily with recent volume.

CHICAGO, May 29.—Glycerin market quiet. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

**Iodine and Iodides.**—Complete market stabilization, prices and demand alike.

**Magnesia.**—All kinds moving well. Oxide inquiry improved. Prices well stabilized.

**Menthol.** — Dull. Prices favorable for buyers. Chinese production to gain. Production of raw material, Yangtze Valley, China increasing. Twenty factories processing now.

**Mercurials.** — Raw material very

### Price Changes

**Advanced**

Corn syrup, 10c. per 100 lbs.
Quicksilver, $5 per flask.
Silver nitrate, ¼c. per oz.
Silver bullion, ⅛c. per oz.

**Reduced**

Ephedrine, alkaloid, 50c. per oz.
hydrochloride, 45c. per oz.
sulphate, 45c. per oz.

### Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 201.3 | 201.1 | 200.2 | 183.0 |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*Purchasing Agents, June 3-6, Cincinnati.*
*Amer. Pharmaceutical Manufacturers Ass'n, June 9-13, Colo. Springs.*
*Federal Wholesale Druggists, Sept. 8-11, Hot Springs.*
*National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.*
*DCAT outing, Oct. 18-19, Skytop.*
*Pest Control Association, Oct. 28-30, Indianapolis.*

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*Agents and Distributors for:*

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*Paradichlorobenzene*

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*Camphor, USP, XI*

Carus Chemical Co.
*Benzoic Acid*
*Soda Benzoate*

Brown Company
*Chloroform*

Hawaiian Pineapple Co.
*Citric Acid*

Zinsser & Co.
*Gallic Acid*
*Tannic Acid*

Stauffer Chemical Co.
*Cream Tartar*
*Tartaric Acid*

British Cod Liver Oil Producers
*Cod Liver Oil*

Heavy Chemical Division
McKESSON & ROBBINS, Inc.
155 E. 44th Street, New York, N. Y.

strong. Higher, too. Mercurials show strength. Demand normally active.

**Methanol.**—Steady consumption supports prices fully. Movement excellent.

**Methyl Acetone.**—Steady. Normal deliveries against contracts. New business fair.

**Molasses.**—Strong. Advance maintained fully. No weakness in sight.

**Opium.** — Warehoused opium stocks believed to assure manufacturers for about three years.

**Potash Acetate.** — Normal demand, U.S.P. item. Fair stocks in reserve.

**Potash Bicarbonate.**—Still some resale material around. Normal deliveries impossible.

**Potash Citrate.** — Complete price stabilization keeps market confidence at high level. Demand normal.

**Quicksilver.**—Higher at $195 to $200 per flask. Futures available around $187.50 per flask. Demand reported fairly active. Producers' output well sold up.

SAN FRANCISCO, May 28.—Quicksilver advancing. Large sales. Sales today at $192.50 per flask, Pacific Coast. Little June-July production unsold. Output through September well engaged.

**Quinine.**—New developments lacking. Strong situation. Outlook for future hinged directly on developments in Netherlands East Indies. Demand normal.

**Rochelle Salt.**—Very strong. No advance yet. Production cost tending still higher. Purely a sellers' market.

**Saccharin.** — Interest sustained. Prices firm. Normal expansion in demand expected.

—*Continued on page* 50

### Bottling Handbook Issued

The many different types of machines manufactured by the U. S. Bottlers Machinery Company are described and illustrated in an attractive new booklet entitled, "Bottling Engineers Handbook." The volume treats equipment suitable for the packaging of liquid, semi-liquid, and semi-solid products in glass, tin, and other varieties of containers. Also contained in the work are machines designed to handle practically any problem in the filtering and filling of these products, and the washing, draining, drying, conveying, and closing of their containers. Persons interested in the efficient bottling and packaging of materials may secure a copy of the handbook by addressing the U. S. Bottlers Machinery Company, 4015 North Rockwell street, Chicago, Ill., mentioning the REPORTER.

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| | | |
|---|---|---|
| *100 oz. s.c.b. | oz. | $1.10 |
| *500 oz. lots | 5¢ oz. | less |
| *1000 oz. lots | 10¢ oz. | less |
| 25 oz. s.c.b. | oz. | 1.20 |
| 16 oz. s.c.b. | oz. | 1.25 |
| 4 oz. s.c.b. | oz. | 1.35 |
| 1 oz. s.c.b. | oz. | 1.45 |
| ⅛ oz. s.c.b. | oz. | 1.95 |
| 15 gr. s.c.b. | bot. | .22 |

**★ EPHEDRINE ALKALOID U.S.P. ANHYDROUS ★**

| | | |
|---|---|---|
| *100 oz. s.c.b. | oz. | $1.15 |
| *500 oz. lots | 5¢ oz. | less |
| *1000 oz. lots | 10¢ oz. | less |
| 25 oz. s.c.b. | oz. | 1.25 |

**★EPHEDRINE HYDROCHLORIDE U. S. P. CRYST.★**
**EPHEDRINE SULFATE U. S. P. CRYST. & POWDER**

| | | |
|---|---|---|
| *100 oz. tin | oz. | $ .90 |
| *500 oz. lots | 5¢ oz. | less |
| *1000 oz. lots | 10¢ oz. | less |
| 25 oz. tin | oz. | 1.00 |
| 16 oz. s.c.b. | oz. | 1.05 |
| 4 oz. s.c.b. | oz. | 1.15 |
| 1 oz. s.c.b. | oz. | 1.25 |
| ⅛ oz. s.c.b. | oz. | 1.75 |
| 15 gr. s.c.b. | bot. | .20 |

Merck Ephedrine U. S. P. is optically active and is equivalent to the natural product in every respect. It should not be confused with the Racemic Synthetic Ephedrine, the optically inactive form, which is far less potent.

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*IMPORTANT NEWS ABOUT*

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE


## Coaltar Chemicals

### Other Intermediates

*—Continued from page 33*

**Paranitroanilin.**—Prices firm, with demand fairly steady.

**Paranitrophenol.**—Shipments narrow. Prices unchanged.

**Paranitrotoluene.**—Prices remain firm, and buying moderate.

**Phthalic, Anhydride.**—Withdrawals against contracts moderately active. No change in the prices.

**Schaeffer's Salt.**—Market a routine affair. Prices remain firm.

**Thiocarbanilide.**—Interest retained at moderate levels.

**Toluidin.**—Market strong. Shipments steady to usual channels.

**Xylidin.**—Prices hold firm, and buying steady.

### Coaltar Colors

Demand for coaltar colors was only moderate during the past week. Consumers were content to make only necessary purchases in practically all instances. Some stimulus was expected in the textile industry from the defense program, particularly in cotton and woolen goods. Export business was only fair, with the latest developments abroad retarding shipments. There were no new price changes, and the tone of the market remained firm.

### Tutein Corp. Formed

The Tutein Corporation has been formed to transact an export, import and domestic business on pig iron, ores, alloys, steel, coal, coke and chemicals. The new organization, of which Dexter A. Tutein is president, maintains offices in the New York Central building, this city. Telephone, Murray Hill 4-7135.

**Coaltar dye** imports into Thailand increased in 1939 to 313,947 pounds from 279,275 pounds in 1938.

**Toilet Goods** Manufacturers Association of Canada, will hold its annual meeting in Montebello, Quebec.

## *Drug-Cosmetic Industry Minimum Wage Planned*

*—Continued from page 3*

far, thirteen industry committees have functioned to recommend minimum wages above the 30-cent level.

The questionnaires are designed to cover only employees engaged in interstate commerce. The distributors' questionnaire covers only employees engaged in the manufacture or packaging of products included in the industry. The manufacturers' questionnaire is designed to give a breakdown in percentage of products manufactured in the plant and those manufactured elsewhere.

### Industry Defined

The officially-adopted definition of the industry is as follows:—

The term, "drug, medicine, and toilet preparations industry," means the manufacture or packaging of any one or more of the following products (except shaving cream, shampoo, glycerine or soap):—

(a) Drugs or medicinal preparations (other than food) intended for internal or external use in the diagnosis, treatment, or prevention of disease in, or to affect the structure or any function of the body of, man or other animals, or

(b) dentifrices, cosmetics, perfume, or other preparations designed or intended for external application to the person for the purpose of cleansing, improving the appearance of, or refreshing the the person.

In establishments which produce or package the above products but are primarily engaged in distributing any of the above products or other articles produced by others, no employees shall be deemed to be engaged in any occupation covered by this definition except such employees as are immediately engaged in the operations of manufacturing such products or of packaging them in consumer packages.

The definition of the drug, medicine, and toilet preparations industry, except where expressly limited, covers all occupations in the industry which are necessary to the production of the products specified in the definition including clerical, maintenance, shipping, and selling occupations.

### H. Boeschenstein Honored

Harold Boeschenstein, president of Owens-Corning Fiberglas Corporation, Toledo and Newark, Ohio, has been chosen an outstanding alumnus of the College of Commerce and Business Administration of the University of Illinois. The College of Commerce of the University of Illinois honors each year three of its outstanding alumni. Mr. Boeschenstein has been president of Owens-Corning Fiberglas Corporation since its formation on November 1, 1938. Previously he had been vice-president and general manager of Owens-Illinois Glass Company.

**Swedish match** industry was slated to discontinue operations May 27, because of inaccessibility of export markets.


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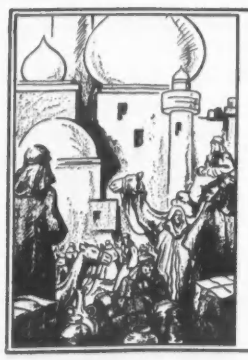

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# Botanical Drugs, Spices, and Gums

**Botanical Imports May Drop—Few Ships on Italian-United States Run—Only Six Scheduled to Arrive Here Between May 28 and June 26—Prices Tend to Strengthen**

Importers and dealers in botanical drugs watched closely the European situation, especially as related to Italy and the Mediterranean Sea area. During the past week, all signs pointed to the probability of Italy joining Germany in the war on France and the British Commonwealth of Nations. Belgium dropped from the scene as ally of the French and British when the king of the Belgians surrendered unconditionally to the Germans.

In view of the apparent intention of Italy, importers took far more than ordinary interest in goods already bought for shipment to this country from Italian ports. A quick survey of maritime information showed that between May 29 and June 26, six ships are scheduled to arrive here from Italy. Some June sailings of Italian line ships have been cancelled. Every effort will be made to get goods already bought on ships bound for this country but success is certainly problematical since demand for steamer space is large.

Buyers of botanical drugs continued to exercise restrains in placing new business. Absence of heavier demand failed utterly to affect the sales policies of most importers. Steadily throughout the week it became increasingly difficult intelligently to price crude drug merchandise. Shortages sprang up here and there and many prices were definitely nominal. So far as stocks for the future were concerned, increasing dependence of domestic cultivation, collection, and production may be expected. Also, the world is being scoured for new sources of supply for botanicals usually obtained from Central Europe.

## Balsams

**Peru.** — Steady, firm, but fairly quiet. Price unchanged.

**Tolu.**—Advance maintained. Strong at $1.50 to $1.60 per pound. Light supplies. Hard to replace.

## Barks

**Buckthorn.**—Whole bark strong at late advance to 35c. to 36c. per pound. German cut bark nominal.

**Elm.**—Fair crop needed to restore normal sized reserves.

**Orange Peel.**—Progress of Mediterranean events suggest end to exports of European peel. Situation growing acute.

**Soap.** — Replacements subject to slow transport from primary market. Prices firm to strong.

**Wild Cherry.**—Activity now located in collection areas. Fair crop needed to restore normal stocks.

## Beans

**Calabar.**—Jobbing demand. Steady prices.

**Vanilla.**—Mexicans higher. Whole, $6.50 to $7 per pound as to quality; cuts, $6 to $6.25; South Americans, $6.25 to $6.50; Bourbons, stronger at $6 to $6.50. Undertones reveal much latent strength in spot market. Foreign markets hold undisturbed strength. Stocks conservative everywhere.

## *Imports and Detentions*

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

| | Bags Detained. | Bags Entered. |
|---|---|---|
| Anise | ... | 460 |
| Belladonna | 69 | 305 |
| Caraway | 1,254 | 10,707 |
| Cardamom (cases) | ... | 766 |
| Celery | ... | 3,320 |
| Coriander | 650 | 5,060 |
| Cumin | 1,194 | 4,144 |
| Digitalis leaves (cases) | 1 | 1 |
| Dill | ... | 199 |
| Fennel | 290 | 803 |
| Henbane leaves (bales) | 230 | 238 |
| Mustard | 2,800 | 7,343 |
| Poppy | 450 | 19,948 |
| Sage leaves (bales) | ... | 119 |
| Sesame | 1,043 | 6,747 |
| Stramonium | 117 | 402 |
| Thyme | ... | 1,182 |

## Price Changes

**Advanced**

Althea root, cut, 24c. per lb.
Anise, star, ½c. per lb.
Colchicum seed, 65c. per lb.
Cassia buds, ¼c. per lb.
China, rolls, ½c. per lb.
Clove, Amboyna, 1c. per lb.
Doggrass root, cut, 1c. per lb.
Fir balsam, Canadian, $2.75 per gal.
Hellebore root, white, powdered, 3c. per lb.
Juniper berries, 3c. per lb.
Musk root, 10c. per lb.
Malva flowers, black, 5c. per lb.
blue, 5c. per lb.
Manna flake, small, 3c. per lb.
Mustard seed, Danish yellow, ¼c. per lb.
Rose flowers, pale, 5c. per lb.
Rosemary leaves, 2c. per lb.
St. John's bread, edible, 3c. per lb.
inedible, 2c. per lb.
Tolu balsam, 10c. per lb.
Vanilla beans, Mexicans, 50c. per lb.
cuts, 50c. per lb.
Valerian root, 10c. per lb.

**Reduced**

Marjoram, Chilean, ½c. per lb.
Pepper, black, Alleppey, ¾c. per lb.
Lampong, ⅝c. per lb.
Tellicherry, ⅝c. per lb.

## Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **196.0** | **195.2** | **193.5** | **123.2** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Berries

**Buckthorn.** — Stocks being husbanded. Replacement uncertain.

**Juniper.** — Growing in strength. Italy in war as German ally would end all exports. Consumers hold limited stocks. Prices higher at 18c. to 24c. per pound.

## Flowers

**Chamomile.**—Strong. In demand. Prices firm. Little competition.

**Malva.** — Higher prices strong. Black, or blue, flowers, 55c. to 60c. per pound. Replacement uncertain and indefinite.

**Rose.**—Pale maintained at 50c. to 55c. per pound. In demand.

**Sassflower.** — Firm prices. Light demand. Fair stocks.

**Saffron.**—Spanish steady at $26 to $27 per pound. Little demand. Mexican, 35c. to 40c., steady.

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**

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## Gums

**Arabic.**—Transport from Near East may end soon. Stronger market developing here. Fair reserves in hand, unsold.

**Camphor.**—Strong. Tending higher. In good demand and small supply.

**Mastic.**—Replacements may be cut off entirely. Spot stocks potentially more valuable.

**Sandarac.**—Light supplies. Replenishment uncertain. Moderate demand. Firming prices.

**Tragacanth.**—Importers declared no further lots can be secured at source. Some quarters raised ribbon gum to $3.25 per pound to spot sales. Situation much stronger.

## Herbs and Leaves

**Buchu.**—Quiet. Competition. No changed prices.

**Henbane.**—Firmly maintained. In light supply. Not readily replaceable.

**Marjoram.**—Chilean shaded to 17½c. to 18c. per pound.

**Rosemary.**—Firmer at late advance to 9c. to 10c. per pound.

**Sage.**—Prices strong. No higher. Tend to advance again. Stocks negligible.

**Senna.**—T. V., steadier. More price solidarity. Fair demand.

## Miscellaneous

**Colocynth Pulp.**—Quiet. In fair reserve. Steady in price.

**Irish Moss.**—Future of imports uncertain because of war. Spot quotations develop firmer undertone.

**Manna.**—Further imports from Italy uncertain. May stop entirely. Small flake, higher at 68c. to 70c. Mannitol in plentiful supply.

**Papain.**—Prices hold. Considerable competition. Requirements met promptly.

**St. John's Bread.**—Higher. Edible, 12c. to 13c. per pound. Inedible, 9c. to 10c. Comes from Italy. Imports likely to cease.

## Roots

**Althea.**—Cut in very light supply. Quoted 65c. to 70c per pound. Quantities restricted.

**Doggrass.**—Some qualities, 18c. to 19c. per pound. Hungarian root, 24c. to 25c. per pound and strong.

**Hellebore.** — Season for powdered white root at hand. Price advanced to 19c. to 20c. per pound.

**Musk.**—Attempts to buy replacements failed. Present stocks must

*—Continued on page 50*

# Essential Oils, Aromatic Chemicals

**War Trend Opposes Normal Replacement of European Essential Oils on Spot—Prices Fundamentally Firm—Demand Moderate—No Pressure to Sell—Stocks Moderate**

Markets for essential oils and aromatic chemicals were fully steady throughout the past week. Progress of the war counted little in favor of a normal and continuing movement of European oils to this market. Production in the months to come was expected to fall under influences generated by the war and hence stocks in hand were counted exceptionally valuable. Importers during the first months of the war increased their purchases in France but during the first quarter statistics compiled in the United States consulate in Nice, France, indicated a return to exports of normal volume. The total imported to the United States during the final quarter of 1939 was 74,221 pounds. In the first quarter, 1940, 54,955 pounds. The value of fourth quarter 1939 exports was $354,121, comparing with $188,788, the value of exports in January-March, 1940.

Prices for spot goods were almost uniformly firm. Truly weak spots in the market were hard to find regardless of the current volume of trading. Sellers were disposed and able to await the rise of consuming requirements, maintaining quotations firmly the while and showing little tendency toward more than routine competition on a price basis.

**Price Changes**

**Advanced**

Pine needle, 5c. per lb.

**Reduced**

None

**Comparative Values**

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **108.9** | **108.9** | **107.5** | **68.3** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Essential Oils

**Almond.**—Natural bitter oil maintained at late advance. Stocks small. Being conserved.

**Anise.**—Steady. Moving in routine quantities. Prices hold.

**Apricot.**—More inquiry and selling. Prices steadier to firmer.

**Bay.**—Quiet. Steady. In fair supply. Well held prices.

**Bergamot.**—Limited demand. Stocks conservative. Replacement high. Shipments expected to cease.

**Birchtar.**—Jobbing call fair to smaller. Prices show no unsettlement.

**Bois De Rose.**—Jobbing demand the rule. Firm prices. Replacement cost firm.

**Capsicum (Oleoresin).**—Production cost maintained by high cost raw material. Demand normal. Prices firm.

**Caraway.** — Replacement arrivals stop. Nominal prices. Stock exhaustion likely.

**Cassia.** — Firm. Normal inquiry noted. Prices fully stable.

**Cedarleaf.**—Moving well. Activity seasonal. Prices firm.

**Cedarwood.**—Good call. Seasonal in character. Quotations well maintained.

**Celery.**—Raw material high in cost. Oil very firm. Demand ordinary.

**Clove.**—Very firm. Advance maintained easily. Production cost tends upward. Demand good.

**Eucalyptus.**—Strong. Future of supplies uncertain. Import cost shows no weakness. Demand normal. Stocks subnormal.

**Geranium.**..Firmer at source. Steady on spot. In fair request.

**Juniper.**—Some lots afloat to spot seized at British contraband control station, Gibraltar. Market strong and well maintained.

**Lavandin.**—Very firm. Future of supplies uncertain. No selling pressure here.

**Lavender.**—Future beclouded by war. Small stocks at source. Future production problematical. Export to be difficult.

**Lemon.**—California oil being supplied promptly. Some importers attempt to increase Italian oil stocks here. Danger of Italy being cut off. In main, consumers look to domestic industry.

**Lime.**—Firm. Gaining in demand. Prices experience little competition.

**Mace.**—Strong at late advance. Tendency still upward. Routine request.

**Nutmeg.**—Price tendency remains upward. All advance maintained. Good demand.

**Orange.**—Season delayed. Demand under normal. Stocks plentiful. Italian situation almost ignored. Gain in sales looked for.

**Patchouli.**—Strong. Hard to replace. Raw material moving irregularly to spot. Demand routine.

**Pennyroyal.**—Routine call at firm prices. Stocks conservative.

**Peppermint.**—Undisturbed in price or demand. Chinese production increasing in Yangtze valley. Plant cultivated is mentha arvensis. Yield high menthol content oil. U.S.P. requires oil be made from mentha piperita. China production, 1939, estimated at 1,600,000 pounds. Averaging 120,000 pounds monthly 1940. Twenty firms, Shanghai, processing the oil.

**Pineneedle.**—Limited stocks gain strength. Replacement doubted. Prices up to $1.35 to $1.40 per pound.

**Sassafras.**—Steady. Fair demand. Moderate stocks. No anxious sellers.

**Savory.** — Likely to rise severely due to raw material situation.

## Aromatic Chemicals

**Acetaldehyde.** — Perfume grades firm. Demand routine at normal levels.

**Acetophenone.**—Jobbing call. Takings on hand-to-mouth basis.

**Amyl Phenylacetate.** — Good call on jobbing account. Very steady prices.

**Amyl Salicylate.**—Demand drags. Prompt needs filled usually.

**Benzaldehyde.** — Firm. Tending firmer. Demand about normal.

**Benzophenone.** — Steady. Moving well in jobbing way. Prices staple.

**Benzyl Acetate.**—Steady to firmer. In better request. Little competition.

**Benzyl Alcohol.**—Call routine and ordinary. Prices steady.

**Benzyl Benzoate.**—Moving well. Trade up to normal. In good supply.

**Benzyl Cinnamate.**—More jobbing orders current. Prices firmer.

**Benzyl Formate.** — Buyers trade

**Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7**

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**Benzyl Isoeugenol.**—Slow to dull. Steady prices.

**Benzyl Propionate.**—Maintenance of steady, jobbing demand noted. Well held quotations.

**Benzyl Salicylate.**—Little gain in sales. Movement and volume maintained at recent levels. Steady prices.

**Benzylidenacetone.**—Firm. Stocks moderate. All needs met promptly. Values stable.

**Bornyl Acetate.**—Stocks remain moderate. Needs being met. Prices firm.

**Bromstyrol.**—No pressure to sell. Stocks decreasing. Not susceptible to normal replacing.

**Carvol.**—Strong and approaching nominal position. Replacement endangered by caraway oil situation.

**Cinnamic Alcohol.**—More inquiry. Limited gain in sales. Steady price firming.

**Citral.**—Moving normally at full prices. Well stabilized market.

**Citronellal.**—Steady. Inquiry good. Sales fair. Prices firm.

**Citronellol.**—In good reserve at full prices.

**Citronellyl Acetate.**—Firmer as demand improves. Fair stocks.

**Citronellylphenyl Acetate.**—Limited interest shown. No weakening of prices.

**Citronellyl Butyrate.**—Betterment noted in inquiry. Some report gain in sales. Prices stable.

**Coumarin.**—Steady and well stabilized. Demand normal. Fair reserves at all times.

## Sulphur Production Off Thirteen Percent in 1939

Production of sulphur in the United States in 1939 decreased to 2,090,979 long tons, or 13 percent, compared with the output in 1938 of 2,393,408 tons, according to the Bureau of Mines. Shipments increased 37 percent in 1939 and amounted to 2,233,817 long tons, valued at about $35,500,000, compared with 1,628,847 tons, valued at about $27,300,000 in 1938. Stocks at the mines on December 31, 1939, had decreased to 4,000,000 long tons, or 200,000 tons below the reserve at the close of the preceding year. Production of sulphur was reported from California, Louisiana, Texas and Utah. Exports in 1939 totaled 627,819 long tons.

# Botanical Drugs

## Roots

*—Continued from page 48*

suffice. Held at 50c. to 60c. per pound. Little demand.

**Valerian.**—Belgian root, 75c. to 80c. per pound and close to stock exhaustion. Domestic root, 40c. to 45c. One World War trader tries to buy in Japan.

## Seeds

**Anise.**—Sole price change in star seed. Quoted 16c. to 16½c. per pound.

**Colchicum.**—Those with stocks conserve them for regular customers. New buyers asked $1.05 per pound. Market nominal. Two or three primary markets still open.

**Mustard.**—Dutch yellow higher at 15¼c. to 15¾c. per pound. Only change within group.

**Poppy.**—Turkish seed offered at 17½c. to 18c. per pound. Dutch, 21c. to 21½c. Nothing forthcoming from Holland, of course.

## Spices

**Cassia.**—Buds, higher at 13¼c. to 13¾c. per pound. Select Chinese rolls rise to 9⅜c. to 9¾c. Other prices held.

**Clove.**—Amboyna, higher at 24½c. to 25c. per pound.

**Ginger.**—All prices steady. Fair demand.

**Mace.**—Featured by offering of West Indian material at 38c. to 42c. per pound as to quality.

**Pepper.**—Black peppers weak. Alleppy, 6½c. to 6¾c. per pound; Lampong, 3¼c. to 3½c.; Tellicherry, 5⅞c. to 6⅛c. White and red peppers hold.

Trading in black pepper futures on the New York Produce Exchange from May 24 to May 31, inclusive, comprised 47 contracts, a total of 1,579,200 pounds. Following is a price record for the week:—

| | Cents per pound | | |
|---|---|---|---|
| | High. | Low. | Close. |
| February | 3.55 | 3.55 | 3.51 nom. |
| March | 3.59 | 3.46 | 3.51@3.55 |
| May | 3.54 | 3.50 | 3.57@3.60 |
| July | 3.35 | 3.20 | 3.25@3.30 |
| September | 3.37 | 3.26 | 3.33@3.36 |
| November | 3.32 | 3.32 | 3.40@3.45 |
| December | 3.45 | 3.45 | 3.43@3.49 |

# Drugs, Fine Chemicals

*—Continued from page 44*

**Santonin.**—Moving well considering very high prices.

**Seidlitz Mixture.**—No price rise yet. Market still strong. Raw material situation forecasts full price maintenance.

**Silver Nitrate.**—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

| | Per ounce | | |
|---|---|---|---|
| | Nitrate. | Bullion— | |
| | Cents. | New York. Cents. | London. Pence. |
| Saturday | 27⅛ | 35½ | 22⅞ |
| Monday | 27⅛ | 35⅝ | 22⅞ |
| Tuesday | 27⅝ | 35⅝ | 22 |
| Wednesday | 27⅝ | 35⅝ | 22 |
| *Thursday | .. | .. | 21⅞ |
| Friday | 27⅛ | 35⅛ | 21½ |

* Holiday.

**Soda Benzoate.**—Steady to firm and well stabilized. Consumption should expand soon.

**Peoples Drug Stores, Inc.**, Washington, has elected William H. Churchill treasurer.


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# Petroleum Solvents Lubricants, Fuels

**Reductions Fail to Depress General Refined Petroleum Market —Paraffin and No. 2 Fuel Oil Down at New York —Bunker Fuel Lower at Gulf Coast**

Several reductions in various grades of petroleum products were made last week, but the market in general was well maintained. Paraffin and No. 2 fuel oil were reduced at New York harbor, bunker fuel oil at the Gulf Coast and lubricating oils in Group 3. Balancing these reductions, however, was a good interest in various solvents and diluents and a heavier call for white mineral oils and petrolatums.

Gasoline price-cutting became general throughout the Pacific slope states with all major companies acting to meet competition. In the background of the price disturbance was the usual economic angle—surplus stocks. In other sections gasoline was in good demand with prices still soft.

Congress is considering a bill (H.R. 6207) designed to exclude petroleum stills from the requirement of registration under section 2810(a) of the revenue act. The Interstate Commerce Commission will hold hearings beginning July 2 on the matter of removing from the long-and-short-haul freight requirements rates on gasoline from producing points in Central territory.

### Price Changes

**Advanced**

None

**Reduced**

Oil, fuel, bunker, 10c. per bbl., Gulf Coast.
No. 2, 60 points per gal, East Coast.
lubricating, 1c. per gal., f.o.b. Group 3.
Paraffin, crude scale, ¼c. per lb., Basis N. Y.

Market news that may have developed after this report was sent to press will be found on page 4.

## Solvents and Diluents

**Cleaners' Naphtha.**—Demand good. Price unchanged.

**Lacquer Diluent.**—Interest slackened. Shipments lighter. Price steady and unchanged.

**Petroleum Thinners.** — Consumers less active but demand still at good level. No changes in prices recorded.

**Rubber Solvent.**—Rubber industry still ordering in good volume. Prices firm and unchanged.

**Stoddard Solvent.**—Business satisfactory. Price firm.

**V. M. & P. Naptha.**—Shipments lighter. Trade routine. Price unchanged.

### Markets at Other Centers

**Chicago—May 29**

The petroleum solvents and diluents market is quiet, with a fairly firm undertone and with material moving on orders at a fairly good rate. Cleaners products are reported in good call. Price cutting continues to be a factor of moderate importance. Ruling prices in tankcar lots f.o.b. Group 3 Oklahoma are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 6⅜c. to 6½c.; V. M. & P. naphtha, 6⅞c. to 7c.

**New Orleans—May 29**

Trade in petroleum solvents and diluents continued satisfactory, with prices unchanged and as follows:—

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, 6¾c., delivered New Orleans in tankcars.

V. M. & P. NAPHTHA.—Boiling range 175-425, gravity 48, 6½c., delivered New Orleans in tankcars.

**Tulsa—May 29**

Additional inquiries for solvents and diluents have come into the market, but no change in quotations has developed. Here and there a concession is being made but most manufacturers adhere to posted quotations.

## Lighter Fractions

**Butane.** — Demand slacker. Price firm.

**Heptane.**—Little interest in offerings at unchanged price.

**Hexane.**—Routine and normal. Price firm.

**Octanes.**—Slight pick-up in ordering reported. Shipments heavier. Inquiry good. Prices steady and unrevised.

**Propane.**—Consumers active. Prices very firm.

## Petrolatums and Waxes

**White Mineral Oils.**—Export demand continued to improve. Domestic call good. All prices steady and unchanged.

**Petrolatum.**—Buying interest satisfactory. Export demand continued to improve. Prices very firm.

**Paraffin.**—Demand good but prices soft for crude scale material. Reduced ¼c. per pound in New York to 4¼c. to 4¾c. per pound for 122-124 material. Refined grades in good call and firm.

**Chicago—May 29**

The refined petroleum wax market remains quiet, with orders holding about level with those of the last few weeks. Buyers are cautious about placing business, and hand-to-mouth buying is the result. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

**Tulsa—May 29**

The market for crude scale wax was not active. Suppliers were quoting 124-126 material at 4¾c. to 5c. per pound, with consumers showing little interest.

### *The State of the Petroleum Market*

Tankcar gasoline and crude oil prices were unchanged last week.

| | May 31 | May 24 | Last Year |
|---|---|---|---|
| Crude petroleum prices at well (average for ten fields) per barrel..... | $1.1970 | $1.1970 | $1.147 |
| Gasoline prices at refineries (at four refining centers) per gallon..... | .0520145 | .0520145 | .0490625 |

## Fuels and Lubricants

**Gasoline.**—In good demand at New York harbor. Prices slightly firmer.

**Kerosene.**—In fair demand. Inquiries good. Prices firm and unchanged.

**Fuel and Gas Oils.**—No. 2 fuel oil was reduced 60 points to 4.70c. per gallon in tankcars and 4.60c. in barges. Bunker fuel oil was a shade easier. Heating oils were quiet and in sluggish demand.

**Lubricating Oils.** — Pennsylvania bright stocks and neutrals were in slightly better demand during the week. Prices firmed but remained unchanged.

### Tankwagon Price Changes

The Socony-Vacuum Oil Company made a ½c. per gallon reduction in kerosene and heating oils throughout New England and New York, except Western New York.

### Markets at Other Centers

**Chicago—May 29**

The tankcar gasoline market is marking time, consumption and trade buying having failed to expand to the extent originally anticipated. Kerosene and tractor fuel orders are reported good. Light fuel business is holding on late into the season. Heavy fuel oils are becoming more active. The lubricating oil market continued easy and soft.

GASOLINE.—Low octane motor, 4c. to 4⅛c. per gallon; middle octane motor, 4⅜c. to 4½c.; high octane motor, regular, 4¾c. to 37⅛c.; 60-62, 400, 4c. to 4⅛c.; 64-66, 375, 4¼c. to 4½c.; 68-70, 360, 4½c. to 4¾c.

KEROSENE.—42-44, water white, 4¼c. to 4¼c. per gallon; 41-43, water white, 4c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 white, 3⅝c. to 3⅞c.; No. 1 straw, 3½c. to 3¾c.; No. 2 straw, 3⅜c. to 3½c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

**New Orleans—May 29**

The domestic market remained steady during the week with no changes noted. U. S. motor gasoline was quoted at 5¼c.; 63-67 octane at 5½c. and 70-72 octane at 6c.—all prices being on a per gallon basis at refinery. Kerosene remained steady

### *Petroleum Production—Motor Fuel Stocks*

| | Barrels | |
|---|---|---|
| | 1940 Jan. 1-June 1 | 1939 Jan. 1-June 1 |
| Commercial crude oil production..... | 549,926,000 | 520,071,414 |
| | Week ended June 1, 1940 | Week ended June 2, 1939 |
| Daily average production..... | 3,822,830 | 3,573,586 |
| Bureau of Mines estimate..... | 3,601,000 | 3,425,200 |
| | Week ended May 25, 1940 | Week ended May 18, 1940 |
| Estimated motor fuel stocks..... | 100,297,000 | 101,015,000 |
| Estimated finished motor fuel stocks..... | 93,434,000 | 94,327,000 |

**Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*Purchasing Agents, June 3-6, Cincinnati.*
*National Petroleum, Sept. 18-20, Atlantic City.*

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at 7½c. per gallon at refinery. Bunker C fuel oil declined 10c. per barrel to 80c. at terminal and 85c. delivered alongside, while industrial plants in this vicinity continued to be quoted at $1.36 per barrel, delivered alongside.

**Tulsa—May 28**

A better sentiment prevails throughout the Midcontinent and Central area refining regions. Trading is still restricted but the prospects for a more than normal consumption of oil products in the coming months have been encouraging. The higher rate of industrial activity throughout the country is contributing to the improved sentiment throughout the oil markets. Inquiries for fuel oil by the steel industry and by railroads is the broadest found within the past few months. It has brought about a price improvement in the Central refining area, due to its closeness to consumption. The 18-22 grade in Illinois is around 65c. a barrel as compared with 45c. a few weeks ago. There has been some slowness in kerosene and gas oil as well as distillates which is a seasonal development. Orders for gasoline are expanding substantially, although they are still below what is normally expected at this time of the year.

GASOLINE.—U. S. motor, third grade, 3¾c. to 4⅛c. per gallon; 67-69 octane, 4c. to 4½c., and 72-74 octane, 4⅝c. to 4⅞c.

NATURAL GASOLINE.—The 26-70 in Texas, 1¼c. per gallon, and in Oklahoma, ½c. In Texas the 18-55, 1½c., and in Oklahoma, 1¾c. to 1⅞c.

KEROSENE.—41-43 degree, 4c. to 4⅛c. per gallon, and 42-44, 4⅛c. to 4⅜c.

DISTILLATES.—No. 1 prime white, 3⅝c. to 3⅞c., and No. 1 straw, 3½c. to 3¾c. per gallon; No. 2 straw, 3⅜c. to 3⅝c., and gas oils, from 2⅝c. to 3c.

FUEL OILS.—Residuals, 45c. to 55c. per barrels, and 18-22, 72½c. to 80c. in group three, and 60c. in Illinois.

LUBRICANTS.—Prices continue soft despite broader inquiries for industrial and export trade. The bright stocks are quoted 16½c. to 22c. per gallon, while the neutral grades are 10½c. to 17c. This is a reduction of 1c. a gallon from the quotations that prevailed ten days ago.

## Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended May 25 was 3,835,650 barrels, an increase of 550 over the 3,835,100 in the previous week, according to the American Petroleum Institute. An increase of 8,600 barrels in the daily average output of Oklahoma and a decline of 5,800 in that of California were the most important changes. Stocks of finished and unfinished gasoline in the United States at the close of the week were 100,297,000 barrels, a decline of 718,000 barrels from the 101,015,000 a week earlier. A year ago, these stocks amounted to 84,845,000 barrels. Finished gasoline stocks declined 893,000 barrels to 93,434,000, compared with 78,977,000 on May 25, 1939.

## Anderson-Prichard Holds Annual Technical Sales Meeting

The Anderson-Prichard Oil Corporation, Oklahoma City, Okla., held its annual technical sales meeting in Chicago recently. C. H. Dresser, director in charge of industrial naphtha sales, made the opening address. D. H. Litter, president of the D. H. Litter Company, New York sales representative for Anderson-Prichard in the East, led a discussion on the practical application of sales promotion. B. I. Scoggin, manager of research and development, outlined methods of promoting new developments and cooperation of the sales department.

## *A.P.I. Discusses Research Results*

*—Continued from page 5*

filter efficiency. The research workers explained they had studied the individual effect upon the efficiency of filter clays of such variables as water content, porosity, and carbon content, using in their experiments both Florida Fuller's earth and bauxite.

They reported that the moisture in clays which seriously affects yields was found to be of two types, "adsorbed" water which readily is taken up and given up by the clay, and "bound" water, which is held more tenaciously. The filter efficiency of the Florida clay was found to decrease appreciably if the "bound" water content fell below two percent, while efficiency declined even more if the clay contains adsorbed moisture.

They recommended that filter clays be kept free from contact with air, or at as high a temperature as possible, to prevent an increase in the adsorbed-moisture content and a resulting haze in the filtered oil. An excess of carbon in clays was said to reduce yields of dark-colored stocks and to impair the casts.

Increased power for use in combination cracking units at petroleum refineries can be obtained easily and cheaply by utilizing waste heat for the generation of superheated steam, the meeting learned from A. E. Harnsberger, of the Pure Oil Co., Chicago. Mr. Harnsberger described the production of 4,050 additional horsepower at a 25,000-barrel cracking unit whose boiler plant already carried a capacity load and enlargement was undesirable.

Research workers who have devoted years of effort to isolation of the causes and studies of the effects of corrosion said their research has made possible the development of corrosion-resisting metals for use in refineries, with the result that the operating life of equipment is being prolonged and the costs, running into millions of dollars annually, are being reduced. It was indicated that the industry's efforts are resulting not only in maintaining low prices for products sold to the public, but are benefiting other chemical industries troubled by corrosion and are enabling equipment manufacturers to develop alloys better suited to industrial needs.

Corrosion both by oil and water of copper and alloy tubing used in refinery heat-transfer equipment has been costly not only through destruction, but through loss of operating time caused by the necessity for repairs, the Institute learned from R. A. Wilkins, E. S. Bunn, and W. Lynes, of the research department of Revere Copper and Brass, Inc., Rome, N. Y. Warning that the problem has become intensified in recent years and may become increasingly acute, the research workers ascribed the difficulties to increased production and refining of crude oils with higher sulphur content, wider employment of higher temperatures and pressures in refinery operations, increase of temperatures and velocities in heat-transfer equipment, and the use of corrosive waters for cooling.

The story of a survey of public opinion taken through the nose in an effort to obtain consumer reactions to the odor of gasoline was related by John Happel and S. P. Cauley, of Socony-Vacuum Oil Company, Inc., of Brooklyn, N. Y., who said that because of the findings of these and other tests it appears advisable for the industry to eliminate expense and trouble by abandoning those processes to which motor fuel is submitted merely to satisfy the requirements of the doctor test.

Convinced that the public relations activities of the institute provide an excuse for Federal persecution of the industry in the form of anti-trust action, directors abolished the extended program of the department of public relations and returned it to the status of handling press releases and the institute's semi-annual meetings. The action included abolishment of the regional public relations groups and the central committee.

**M. E. Brock** has been appointed chairman of the 1940 committee on disposal of production wastes of the American Petroleum Institute.

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# Fertilizer Materials

**Top-Soil Dressing Materials Attract Some Buying Interest —Other Materials in Light Demand—Tankage, Blood and Nitrogenous Reduced—Pacific Coast Fish Meal Higher**

The mid-week holiday failed to influence trade in raw fertilizer materials last week as the season is practically ended and buying was held to conservative quantities. The dullness of the market at this time was reflected in price movements which, with the exception of Pacific Coast fish meal, tended downward. Tankage was reduced generally, and East Coast nitrogenous material and imported blood were also off. Sole interest at present appeared to be in purchases of material suitable for top-soil dressing operations. Producers of chemical fertilizers materials had as yet given no indications of what their 1940-41 prices would be, with the majority of announcements expected this week.

### Price Changes

**Advanced**

Fish meal, $1 per ton, f.o.b. San Francisco.

**Reduced**

Blood, imp., 5c. per unit, c.i.f. ports.
Nitrogenous material, 10c. per unit, East Coast points
Tankage, unground feeding, 10c. per unit, f.o.b. N. Y.
fertilizer, 25c. per unit, f.o.b. Chi.
high-grade feeding, 40c. per unit, f.o.b. Chi.
imp., 20c. per unit, c.i.f. ports.

### Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **67.0** | **67.0** | **67.0** | **66.3** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Nitrogenates

**Dried Blood.** — Quiet. Domestic prices unchanged. Imported, lowered 5c.. per unit to $2.60, c.i.f. ports.

**Fish Scrap.**—No further large sales made on basis of future production. Japanese sardine meal in less demand at unchanged prices.

**Nitrate of Soda.**—Shipments fair for top-soil dressing use. Contracts practically fullfilled.

**Nitrogenous Material.** — Quotations for East Coast production off 10c. per unit to $2.40. Midwestern grades firm and unchanged.

**Sulphate of Ammonia.**—Export call still fair but not as strong as in recent weeks. Material scarce. Price steady and unchanged.

**Tankage.**—Prices easier. Unground feeding material reduced 10c. per unit to $2.75 and 10c., f.o.b. New York. Fertilizer grade reduced 25c. per unit at Chicago to $2.75 and 10c. and high-grade feeding material lowered 40c. per unit at same market to quotation of $2.75 and 10c. Imported grade off 20c. to $2.90 and 10c. per unit, c.i.f. ports.

## Potashes

Prominent producers had failed to announce new contract prices as yet. Possibilities were that the new season quotations would not be released until after the National Fertilizer Association convention this week. Market very quiet.

## Phosphates

**Bone Materials.**—Market dull. Feed makers provided sole activity. Prices unchanged.

**Phosphate Rock.**—Quiet, with shipments light. Price steady.

**Superphosphate.** — Little demand. Prices unchanged.

## Sulphur and Pyrites

Withdrawals of sulphur during the week were small and irregular. Contracts practically fullfilled. Price unchanged. Pyrites nominal.

## Markets at Other Centers

**Atlanta—May 29**

With the spring business in fertilizers over, interest in fertilizer material has narrowed down to top dressings to be applied during the Summed. Cotton is so backward that it is expected the main demand for top-dressings is to be later than usual. Quotations are as follows:

SUPERPHOSPHATE. — 52 cents per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, ports.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $31.50, Southeastern points.

BLOOD.—$2.75 per unit, basis Chicago. S. Am. $2.60, ports.

TANKAGE.—High grade, $2.75 and 10c. per unit, basis Chicago.

**Baltimore—May 29**

With the shipping about over, pronounced quiet continues to prevail. The buying of crude stocks is on a modest scale.

FISH SCRAP.—Week characterized by quiet. Spot supplies cleaned up. Spot Japanese sardine meal is quoted at $57 per ton.

SUPERPHOSPHATE.—Trading limited, with nominal quotations at $8.50 per ton for run-of-pile and $9 per ton for 16 percent milled and screened supplies.

TANKAGE.—Market slow and hesitant. Prices easy.

DRIED BLOOD.—Quoted at $2.75 per unit-ton, f.o.b. shipping point. Buyers show little or no interest. South American stocks are held at $2.60 per unit-ton.

BONE.—Changes lacking, with the demand following the general trend.

**Chicago—May 29**

The general fertilizer materials market is slow and inclined to dullness. Blood is in fair tone. Tankage remains slow and rather quiet. Bone materials are moving in moderate volume in the aggregate.

BLOOD.—Principal grade, $2.75 per unit of ammonia.

TANKAGE.—High grade, feeding $2.75 and 10c.; hoof meal, $2.25 to $2.50; liquid stick, $1.50 to $1.60.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $30; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste hoen materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $40 to $45; hard pressel cracklings. per unit of protein, 65c. to 70c.

**San Francisco—May 29**

The Spring planting season is drawing to a close and as a result the fertilizer market is without feature. Replacement buying is slow. Sole change was a $1 per ton advance of fish meal to $56, f.o.b. San Francisco. Ruling prices are:—

SULPHATE OF AMMONIA.—Nominal at $38 per ton, delivered inland points.

SUPERPHOSPHATE.—Domestic, 78c. per unit in bulk, f.o.b. San Francisco. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton, both ex vessel or warehouse.

FISH MEAL.—California sardine meal, $56 per ton, f.o.b. San Francisco and $55, Monterey.

TANKAGE.—Purely nominal. Unground fertilizer, wet rendered, domestic, $2.40 and 10c. per unit-ton, f.o.b. Northern California. Dry rendered, ground, 50 percent, $39.50 per ton, f.o.b. South San Francisco; unground, dry rendered, 67½c. per unit of protein, f.o.b. South San Francisco.

BLOOD MEAL.—Nominal at $2.80 per unit, f.o.b. Los Angeles.

BONE MEAL.—From $29 to $35 per ton delivered, Pacific Coast ports.

**Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7**

**Association meetings:—**
*National Fertilizer, June 3-5, White Sulphur Springs.*

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## Imports at U.S. Ports

### New York Imports

AGAR—50 bls, S B Penick & Co, Kobe
ALCOHOL—1 bx, Fritzsche Bros, Cartagena
ALUMINUM FOIL—79 cs, Brown Bros Harrimann Co, Swiss
49 cs, New York & Cuba Mail S S Co, Swiss
4 cs, Grace Line, Swiss
ANISE—100 bgs, New York & Cuba Mail S S Co, Marseilles
ANTHRAX VACCINE—27 cs, A M L & F Co, Sydney
ANTIMONY METAL — 248 cs, American Smelting Refg Co, Vera Cruz
MINERAL—625 bgs, Philipp Bros, Vera Cruz
SULPHIDE—320 bgs, W R Grace & Co, Callao
ARSENIC—222 bbls, American Smelting & Refg Co, Vera Cruz
ARTISTS MATERIAL—6 cs, M Grumbacher Co, Yokohama
ASPHALT—117 bgs, Zopher Mills, Havana
BISMUTH, REFD—94 bxs, Cerro de Pasco Copper Corp, Callao
BRISTLES—25 cs, H Rosenhirsch Co, Shanghai
9 cs, Akura & Co, Shanghai
12 cs, Iwai & Co, Kobe
7 cs, F W Von Stade, Kobe
25 cs, Kane Import Corp, Kobe
7 cs, Iwai & Co, Kobe
91 cs, Arnhold & Co, Harbin
100 cs, Mitsubishi Shoji Kaisha, Dairen
CALCIUM METALLIC—10 cs, Charles Hardy, Marseilles
TARTRATE—746 bgs, Charles Pfizer & Co, Buenos Aires
CANARY SEED—798 bgs, Wagner Bros Feed Corp, Montevideo
390 bgs, Wagner Bros Feed Corp, Buenos Aires
100 bgs, Kemp, Day & Co, Buenos Aires
500 bgs, Buenos Aires
CARAWAY SEED—77 bgs, J S Toledano & I M Pinto, Casablanca
CASEIN—918 bgs, American Cyanamid & Chem Corp, Buenos Aires
834 bgs, American British Chem Supplies, Inc, Buenos Aires
201 bgs, American Cyanamid & Chem Co, Buenos Aires
417 bgs, National City Bank, Buenos Aires
750 bgs, Buenos Aires
CASSIA—17 bls, Catz American Co, Padang
17 bls, Padang
CASTOR BEANS—700 bgs, Struller & Wood, Port Prince
6,870 bgs, L Dreyfus & Co, Bombay
14,000 bgs, W R Grace & Co, Bombay
6,790 bgs, Baker Castor Oil Co, Madras
3,396 bgs, Spencer, Kellogg & Sons, Madras
CELERY SEED—30 bgs, Kachurin Drug Co, Marseilles
77 bgs, W E Martin, Marseilles
77 bgs, Kachurin Drug Co, Marseilles
30 bgs, I Harrison & Whitney, Marseilles
CHARCOAL—10 cs, Marrah Import Co, Marseilles
CHEMICALS—1 cs, Gane & Ingram, Swiss
15 cs, Firmenich & Co, Swiss
13 cs, Hoffmann La Roche, Swiss
1 cs, Rohner, Gehrig & Co, Swiss
31 cs, Grace Line, Swiss
CHROME ORE—1 dm, P R Huer, Sydney
CLOVES—100 bls, Messageuries Maritime, Tamatave
COCOA BEANS—2,500 bgs, W R Grace & Co, Guayaquil
50 bgs, Lopez & Mangual, Maracaibo
248 bgs, Middleton & Co, Cristobal
150 bgs, A Canale, Cristobal
500 bgs, Cristobal
232 bgs, Wessel, Kulenkampf & Co, Trujillo
2,506 bgs, Curacao Trading Co, Trujillo
1,000 bgs, Cristobal
200 bgs, O Gerdau Co, Cristobal
500 bgs, Cristobal
244 bgs, Balfour, Guthrie & Co, Samarang
500 bgs, Middleton & Co, Trinidad
250 bgs, Kennedy, Butcher & Co, Trinidad
250 bgs, Middleton & Co, Trinidad
250 bgs, Struller & Wood, Cape Haitien
1,000 bgs, Wessel, Kulenkampf & Co, Trujillo
2,679 bgs, Trujillo
525 bgs, Gillespie & Co, Trujillo
452 bgs, Wessel, Kulenkampf & Co, Trujillo
2,000 bgs, Machado & Co, San Pedro de Macoris
700 bgs, Curacao Trading Co, San Pedro de Macoris
1,121 bgs, Machado & Co, Pedro de Macoris
548 bgs, San Pedro de Macoris
600 bgs, Machado & Co, Puerto Plata
1,000 bgs, Machado & Co, Puerto Plata
COCONUTS—1,118 bgs, General Food Corp, Kingston
780 bgs, I L Toledano Co, Cristobal
COCONUT, DES—750 cs, Dodwell & Co, Manila
400 cs, Philip Levy, Manila
1,013 cs, Durkee Famous Food, Manila
1,800 bgs, General Food Sales Co, Manila
200 cs, General Food Sales Co, Manila
800 cs, Philippine Desic Coconut Corp, Zamboanga
COLORS—1 cs, American Express Co, Naples
EARTH—20 cks, F Kohler, Marseilles
COPAIBA BALSAM—10 cs, Geo Uhe Co, Cristobal
20 cs, Wessel, Duval & Co, Cristobal
CORK COMPOUND—199 bls, Crown Cork & Seal Co, Marseilles
VIRGIN—730 bls, United Cork Co, Casablanca
WOOD—1,004 bls, United Cork Co, Casablanca
1,702 bls, United Cork Co, Casablanca
112 bls, Grace Line, Seville
26 bls, Hans G Fischer, Seville
COTTONSEED MEAL—5,500 bgs, Port Prince
CUMIN SEED—125 bgs, New York & Cuba Mail S S Co, Marseilles
44 bgs, A G Dunn, Casablanca
94 bgs, Kemp, Day & Co, Casablanca
DYES, ANILIN—24 cks, Geigy Co, Genoa
27 dms, Sandoz Chemical Works, Switzerland
46 cyls, 1 cs, Sandoz Chemical Works Switzerland
ERYTHRINA SEED—14 bgs, Merck & Co, Cristobal
FENUGREEK SEED—50 bgs, E E Marks & Co, Casablanca
FERTILIZER—2 cs, Tupman-Thurlow Co, Buenos Aires
FILM SCRAP—13 cs, Universal Pictures Co, Tandjong Priok
FILTER PAPER—136 cs, J Manheimer, Europe
20 cs, A Giese & Son, Europe
3 cs, Europe
FISH LIVERS—32 tins, Silmo Chemical Corp, Yokohama
FLIES, DRIED—158 bgs, Kerr, Maurer Co, Vera Cruz
FLOWER WATER—7 cs, Geo Lueders & Co, Marseilles
FLUORSPAR—112 tons, Tomilinson & Co, Vera Cruz
GAMBIER—64 cs, Padang
GELATIN—5 bgs, New York & Cuba Mail S S Co, Marseilles
GINGER ROOT—100 bgs, United Fruit Co, Kingston
60 bgs, D C Evans Coffee Co, Kingston
134 bgs, Barclay Bank, Kingston
142 bgs, United Fruit Co, Kingston
123 bgs, Kingston
GLANDS—21 cks, Buenos Aires
2 cks, Tupman-Thurlow Co, Santos
GLASS, COLORED—61 cs, Leo Popper & Sons, Europe
GLUE—11 bgs, New York & Cuba Mail S S Co, Marseilles
GREASE, WOOL—16 dms, English, Scottish & Australian Bank, Melbourne
GUARANA—5 cs, Dyson Shipping Co, Rio de Janeiro
GUM, ARABIC—25 bgs Thurston & Braidich, Marseilles
BENZOIN—50 cs, Van Norden & Co, Sibolga
40 cs, Sibolga
CHICLE—72 bgs, Chicle Development Co, Barriquilla
3 bgs, Vera Cruz
3,668 bgs, Mexican Exploitation Co, Vera Cruz
438 bgs, M B Bromberg, Vera Cruz
500 bgs, F Huber & Co, Vera Cruz
1,736 bgs, Mexican Exploitation Co, Progreso
COPAL—105 baskets, O G Innes Corp, Macassar
73 baskets, O G Innes Corp, Macassar
140 bgs, O G Innes Corp, Macassar
79 baskets, Macassar
239 baskets, O G Innes Corp, Macassar
70 bgs, O G Innes Corp, Macassar
191 bgs, Manufacturers Trust Co, Macassar
134 bgs, Buenos Aires
43 bgs, G W S Patterson & Co, Manila
DAMMAR—100 cs, Manufacturers Trust Co, Batavia
50 cs, G W S Patterson & Co, Batavia
25 cs, Manufacturers Trust Co, Batavia
100 cs, O G Innes Corp, Batavia
72 cs, O G Innes Corp, Padang
200 cs O G Innes Corp, Batavia
210 bgs, Thurston & Braidich, Singapore
GUAIAC—20 cs, Schutte & Focke, Trujillo
SANDARAC—14 bbls, S Winterbourne & Co, Casablanca
38 bbls, R H Elmaleh, Casablanca
14 bbls, Abecassis & Abelson, Casablanca
15 bbls, S Winterbourne & Co, Casablanca
YACCA—1,322 bgs, Union Bank of Australia, Adelaide
HERBS, CRUDE—12 bgs, Bisleri Co, Naples
HOREHOUND LEAVES—67 bls, Franz Rosenthal & Co, Casablanca
51 bls, Franz Rosenthal & Co, Casablanca
IPECAC ROOT—5 bls, Rio Janeiro
8 bgs, Rio Janeiro
IRON ORE—990 bgs, Reichard Coulston, Casablanca
5 dms, Reichard Coulston, Casablanca
LAUREL LEAVES—20 bls, New York & Cuba S S Co, Marseilles
LAVENDER FLOWERS—10 bgs, French Banking Corp, Marseilles
LEECHES—2 tubs, Intercontinental Prod Co, Swiss
5 pails, General Transport Co, Naples
LICORICE PASTE—15 cs, T M Duche & Sons, Marseilles
LIVER MEAL—560 bgs, National City Bank, Bluff
MACE—18 cs, J F Frank, Menado
14 cs, Catz American Co, Macassar
62 cs, Catz American Co, Macassar
MANGANESE, METALLIC—25 cks, Marseilles
ORE—1 bx, Bethlehem Steel Corp, Cristobal
MEDICINAL PREPS—27 cs, New York & Cuba Mail S S Co, Marseilles
4 cs, Bisleri Co, Naples
7 cs, Italian Drug Import Co, Naples
5 cs, Bank of Australia, Sydney
MICA—30 cs, J Koppel & Co, Buenos Aires
13 cs, Rio Janeiro
BLOCK—55 cs, A O Schoonmaker Insulation Co, Calcutta
MILK, POWD—25 cs, Nestles Milk Prod Co, Marseilles
MILLET SEED—200 bgs, Buenos Aires
NUTMEGS — 40 bgs, Catz American Co, Banda
113 cs, Catz American Co, Macassar
117 bgs, National City Bank, Semarang
108 bgs, Padang
OCHER — 800 bgs, J Lee Smith & Co, Marseilles
882 bgs, Reichard Coulston, Marseilles
25 cks, J Lee Smith & Co, Marseilles
878 bgs, Reichard Coulston, Marseilles
1,000 bgs, C K Williams & Co, Marseilles
300 bgs, Scott L Libby Corp, Marseilles
80 cks, Scott L Libby Corp, Marseilles
20 cks, J Lee Smith & Co, Marseilles
1 cs, New York & Cuba Mail S S Co, Havana
218 bgs, First Natl Bank, Marseilles
OIL, ALMOND—6 cs, W T Rawleigh Co, Marseilles
ANISE—5 dms, W J Rush & Co, Hongkong
CANANGA—3 dms, Batavia
CHINAWOOD—584 tons Arnhold & Co, Shanghai
Quantity, Universal Trading Corp, Burma
CITRONELLA—4 dms, Batavia
36 dms, Batavia
8 dms, Sourabaya
96 cs, Batavia
CLOCK—1 cs, Hammel Riglander & Co, Swiss
CLOVE—6 cks, Tamatave
14 futs, Messageries Maritime, Tamatave
COCONUT—299 tons, Spencer Kellogg & Sons, Yokohama
500 tons, Cebu
312 tons, Spencer Kellogg & Sons, Yokohama
503 tons, Colgate-Palmolive-Peet Co, Cebu
CODLIVER—20 bbls, 1 cs, Canada
ESSENTIAL—3 dms, Roure Dupont, Marseilles
4 dms, 1 ck, Aromatic Prod Co, Marseilles
3 cs, Roure Dupont, Marseilles
2 cs, Chase National Bank, Marseilles
1 cs, Bertrand Freres, Marseilles
60 cs, Lo Curto & Funk, Marseilles
4 cs, Geo Luedera & Co, Marseilles
1 dm, 2 cs, Lo Curto & Funk, Marseilles
1 dm, Coe Parento, Marseilles
6 dms, Chase National Bank, Marseilles
12 cs, Titan Shipping Co, Marseilles
12 cs, 4 dms, A Chiris Co, Marseilles
7 dms, Geo Uhe Co, Marseilles
5 dms, Norda Essential Oil & Chemical Co, Marseilles
3 cs, American Express Co, Marseilles
3 dms, 1 cs, Fritzsche Bros, Marseilles
9 cs, Rohner, Gehrig & Co, Europe
4 cs, Coty Prod Co, Europe
2 cs, Stern, Stiner & Co, Europe
16 cs, Coty Prod Co, Europe
10 cs, J E Bernard & Co, Europe
1 cs, Titan Shipping Co, Europe
24 dms, H A Sothern, Barrios
2 dms, Dodge & Olcott Co, Vera Cruz
11 cs, Givaudan-Delawanna, Marseilles
6 cs, Givaudan-Delawanna, Marseilles
EUCALYPTUS—19 dms, Bank of New South Wales, Melbourne
12 dms, Magnus, Mabee & Reynard, Melbourne
5 cs, Union Bank of Australia, Adelaide
GERANIUM—4 dms, Reunion
KAPOCSEED—262 tons, Irving Trust Co, Sourabaya
LAVENDER—14 dms, Norda Essential Oil & Chemical Co, Seville
1 dm, J Manheimer, Seville
LIME, DIST—26 dms, Dodge & Olcott Co, Trinidad
10 cs, Demerara
LINALOE—11 dms, F W Pabst, Vera Cruz
OLIVE—30 dms, Geo Luedera & Co, Marseilles
10 dms, R H Macy & Co, Marseilles
250 cs, United Fruit Co, Marseilles
25 dms, Banco Di Napoli Trust Co, Seville
275 cs, Banco Di Napoli Trust Co, Seville
100 cs, 6 dms, Irving Trust Co, Seville
100 cs, Lekas & Drivas, Seville
75 cs, 2 dms, Seville
115 dms, Chemical Bank Trust Co, Seville
100 cs, A H Bull & Co, Seville
900 cs, Atlantic Freighting Co, Seville
100 cs, Deccon Trading Co, Seville
60 cks, 102 cs, Banco Di Napoli Trust Co, Swiss
16 pkgs, Copeland Shipping Co, Naples
25 cs, Antonio Guarino, Naples
24 cs, General Shipping Co, Naples
ORANGE—21 cs, Ungerer & Co, Kingston
PALM—417 tons, Stein, Hall & Co, Belawan Deli
340 tons, Batavia
490 tons, Van Leeuwen Boomkamp Co, Belawan Deli
211 tons, Overseas Ltd, Belawan Deli
645 tons, Banque Belge pour L'Etranger, Belawan Deli
234 tons, Belawan Deli
PATCHOULI—2 dms, Batavia
3 dms, Batavia
2 dms, Guaranty Trust Co, Batavia
PETITGRAIN—50 cs, Ungerer & Co, Buenos Aires
ROSEMARY—2 dms, Ungerer & Co, Seville
1 dm, Felton Chem Co, Seville
SAGE—1 dm, Ungerer & Co, Seville
SANDALWOOD—9 cs, Magnus, Mabee & Reynard, Madras
TEASEED—100 dms, E M Sergeant Pulp & Chem Co, Hongkong
TUNA LIVER—12 dms, Consumers Import Co, Yokohama
ORE—319 bgs, New York & Cuba Mail S S Co, Vera Cruz
PALMKERNELS—2,668 bgs, Belawan Deli
1,035 bgs, Belawan Deli
1,039 bgs, Belawan Deli
PAPAYA JUICE, CONC—12 pkgs, L Matoush & Garcia, Trujillo
PARAFFIN—7,120 bgs, Asiatic Petroleum Corp, Balik Papan
PEPPER—1 bg, J F Frank Padang
WHITE—50 bgs, Catz American Co, Pankal Pinang
252 bgs, H P Winter & Co, Tandjong Priok
172 bgs, Pangkal Pinang
POTASH, METABISULPHITE — 100 cks, F Kohler, Marseilles
QUEBRACHO EXTRACT — 350 bgs, International Product Corp, Buenos Aires
2,154 bgs, Tannin Corp, Buenos Aires
1,520 bgs, International Selling Corp, Buenos Aires
QUICKSILVER—102 flasks, Chase National Bank, Vera Cruz
146 flasks, Chase National Bank, Vera Cruz
14 flasks, Vera Cruz
RAPESEED—60 bgs, Buenos Aires
SAFFRON FLOWERS—10 cs, Arles Co, Marseilles
19 bgs, Vera Cruz
SANDALWOOD — 245 bgs, J H Marteath, Kingston
SAPONIN—2 cs, Ciba Co, Swiss
SARSAPARILLA ROOT—32 bls, S B Penick & Co, Vera Cruz
SESAME SEED — 600 bgs, Ataka & Co, Shanghai
SHELLAC—200 bgs, E J Cornelis, Calcutta
1,450 bgs, A Hurst & Co, Calcutta
100 cs, A Hurst & Co, Calcutta
150 bgs, A Hurst & Co, Calcutta
SEEDLAC—200 bgs, E J Cornelis, Calcutta
SOAP BARK—247 bls, San Antonio
SPONGES — 14 bls, American Sponge & Chamois Co, Havana
89 bls, Havana
99 bls, American Sponge & Chamois Co, Havana
53 bls, New York & Cuba Mail S S Co, Havana
26 bls, Havana
36 bls, New York & Cuba Mail S S Co, Havana
12 bls, Havana
REFUSE — 14 bls, American Sponge & Chamois Co, Havana
30 bls, Havana
27 bls, American Sponge & Chamois Co, Havana
TALC—6,720 bgs, Whittaker, Clark & Daniels, Dairen
TANKAGE—448 bgs, Napier
1,120 bgs, Tupman, Thurlow & Co, Napier
1,120 bgs, Napier
TAPIOCA, FLAKE—654 bgs, Stein, Hall & Co, Sourabaya
424 bgs, Stein, Hall & Co, Sourabaya
239 bgs, Stein, Hall & Co, Sourabaya
FLOUR—501 bgs, Irving Trust Co, Cheribon
2,188 bgs, Stein, Hall & Co, Sourabaya
88 bgs, Irving Trust Co, Cheribon
353 bgs, Batavia
173 bgs, Irving Trust Co, Batavia
1,550 bgs, Tjilatjap
2,431 bgs, Stein, Hall & Co, Sourabaya
1,312 bgs, Stein, Hall & Co, Sourabaya
3 bgs, Sino Java Hvg, Tjilatjap
1,560 bgs, 2 cs, Corn Product Refining Co, Port Prince
TARTAR—923 bgs, Charles Pfizer & Co, Santander
93 bgs, Standard Brands, Marseilles
167 bgs, Standard Brands, Marseilles
78 bgs, Charles Pfizer & Co, Marseilles
THYME LEAVES—26 bls, W E Martin, Marseilles
80 bls, Marseilles
60 bls, R T French Co, Marseilles
44 bls, Marseilles
TIN BARRILLA—650 bgs, Philipp Bros, Arica
381 bgs, W R Grace & Co, Mollendo
TONKA BEANS—20 cks, Irving Trust Co, Trinidad
TRICHLORETHYLENE — 150 dms, International Selling Corp, Marseilles
VANADIUM—7,193 bgs, Vanadium Corp of America, Callao
7,329 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—15 cs, E P Henning, Marseilles
19 cs, Chase Natl Bank, Marseilles
8 cs, Lo Curto & Funk, Marseilles
38 cs, Dammann & Meltzer, Marseilles
26 cs, Manufacturers Trust Co, Marseilles
17 cs, Richard Oppenheimer, Marseilles
22 cs, Geo Luedera & Co, Marseilles
29 cs, Thurston & Braidich, Marseilles
21 cs, Dodge & Olcott Co, Marseilles
24 cs, Manufacturers Trust Co, Marseilles
22 cs, Thurston & Braidich, Marseilles
65 cs, Marseilles
47 cs, Dodge & Olcott Co, Marseilles
24 cs, Midwest Trading Co, Marseilles
16 cs, Lo Curto & Funk, Marseilles
34 cs, Dammann & Smeltzer, Marseilles
41 cs, Guaranty Trust Co, Marseilles
12 cs, Thurston & Braidich, Marseilles
15 cs Dodge & Olcott Co, Marseilles
23 cs, Guaranty Trust Co, Marseilles
20 cs, Marine Midland Trust Co, Marseilles
22 cs, Guaranty Trust Co, Marseilles
20 cs, W I Chudleigh, Europe
6 cs, Richard Oppenheimer, Europe
73 cs, New York & Cuba Mail S S Co, Vera Cruz
11 cs, Tamatave
45 cs, Chase Natl Bank, Tamatave
39 cs, Philadelphia Natl Bank, Tamatave
23 cs, Tamatave
85 cs, Marine Midland Trust Co, Tamatave
140 cs, French American Banking Corp, Antalaha
64 cs, Marine Midland Trust Co, Antalaha
22 cs, Philadelphia Natl Bank, Antalaha
43 cs, Marine Midland Trust Co, Antalaha
35 cs, French American Banking Corp, Reunion
8 cs, Banque de la Reunion, Reunion
WAX, BAYBERRY—27 bgs, D Steengrafe, Buenaventura
BEES—88 bgs, San Antonio
21 bgs, Vera Cruz
50 bgs, Havana
22 bgs, Vera Cruz
90 bgs, Van Oppen & Co, Vera Cruz
6 bgs, Vera Cruz
12 bgs, Schutte & Focke, Trujillo
10 seroons, Porcella, Vicini & Co, Port Prince
5 seroons, Porcella, Vicini & Co, Port Prince
11 bgs, Wessel, Duval & Co, Rio Janeiro
3 bgs, Van Oppen & Co, Rio Janeiro
10 bgs, Wessel, Duval & Co, Rio Janeiro
182 bgs, Rio Janeiro
CANDELILLA—1,627 bgs, M Argueso & Co, Vera Cruz
CARNAUBA—73 bgs, Strahl & Pitsch, Rio Janeiro
222 bgs, Innis, Speiden & Co, Rio Janeiro
56 bgs, W M Allison & Co, Rio Janeiro
56 bgs, American Cyanamid & Chem Co, Rio Janeiro
56 bgs, Strohmeyer & Arpe Co, Rio Janeiro
509 bgs, W R Grace & Co, Rio Janeiro
18 bgs, Rio Janeiro
723 bgs, W M Allison & Co, Ceara
25 bgs, Strohmeyer & Arpe Co, Para
314 bgs, Strohmeyer & Arpe Co, Para
56 bgs, Strohmeyer & Arpe Co, Para
264 bgs, Strohmeyer & Arpe Co, Para
CERESIN—400 bgs, Asiatic Petroleum Corp, Sourabaya
CURICURY—60 bgs, Strahl & Pitsch, Rio Janeiro
40 bgs, Chase Natl Bank, Rio Janeiro
14 bgs, Rio Janeiro
WOLFRAM, CONC—400 bgs, Union Bank of Australia, Melbourne
ORE—76 bgs, Chase Natl Bank, Callao
400 bgs, W R Grace & Co, Mollendo
YEAST—1 pkg, Standard Brands, Havana
ZINC CONCENTRATE—3,134 tons, American Metal Co, Vera Cruz
OXIDE—150 bbls, American Cyanamid & Chem Co, Marseilles
19 bbls, Atlantic Freighting Corp, Marseilles
ZIRCON SAND—1,200 bgs, Bank of N S Wales, Sydney

### New York Transit Imports

COALTAR INTERMEDIATES—2 cks, Sandoz Chemical Works, Swiss, Toronto
COCONUT, DESIC—40 cs, Philippine Desic Coconut Corp, Zamboanga, San Francisco
250 cs, E E Marks & Co, Manila, Chicago
2,000 bgs, General Food Sales Co, Manila, Bridgeport

CORIANDER SEED—300 bgs, Canadian Natl Railway, Casablanca, Canada
200 bgs, F N Neal Co, Casablanca, Richmond, Virginia
CORK, AGGLOMERATED—2,600 crtns, Canadian National Railway, Casablanca, Canada
600 crtns, American-Hawaiian S S Co, Casablanca, San Francisco
700 crtns, American-Hawaiian S S Co, Aires Casablanca, Vancouver
COTTONSEED MEAL—4,000 bgs, West Texas Cottonoil Co, Santos, Houston
DYES, ANILIN—51 dms, Sandoz Chemical Works, Switzerland, Toronto
GLANDS—4 tcs, 1 ck, Parke, Davis & Co, Montevideo, Detroit
2 tcs, Parke, Davis & Co, Buenos Aires, Detroit
GLUE—80 bgs, English, Scottish & Australia Bank, Melbourne, Toronto
20 cs, English, Scottish & Australia Bank, Sydney, Montreal
GUM, YACCA—902 bgs, Union Bank of Australia, Auckland, Montreal
OIL, COCONUT—400 tons, Philippine Refining Corp, Cebu, Toronto
500 tons, Philippine Refining Corp, Cebu, Quincy, Mass
753 tons, Philippine Refining Corp, Cebu, Boston
EUCALYPTUS—1 dm, Union Bank of Australia, Melbourne, Toronto
TITROL—5 ctns, W M Ayer, Sydney, Chicago
TI TREE—7 dms, Colgate-Palmolive-Peet Co, Sydney, Montreal
SODA NITRATE—5,000 tons, Chilean Nitrate Sales Corp, Tocopilla, Charleston
TIN OXIDE—100 cs, Union Bank of Australia, Sydney, Montreal
VANILLA BEANS—52 cs, M Cortizas Co, Marseilles, Philadelphia
WAX, VEGETABLE—20 bgs, Arthur Berlandina, Rio de Janeiro, Montreal
ZINC OXIDE—1 ck, Goodyear Tire & Rubber Co, Sydney, Akron

## Baltimore Imports

BONES—1,821 bgs, Montevideo
CHEMICALS—40 cks, Antwerp
COPRA—500 tons, Bulan
1,000 tons, Cagayan
1,900 tons, Cebu
COTTONSEED CAKE—1,512 bgs, Santos
IRON ORE—1,200 tons, Zambales
10,500 tons, Bethlehem Steel Co, Daiquiri
11,500 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—7,300 tons, Santiago
8,800 tons, Rio Janeiro
7,900 tons, Poti
1,500 tons, Calcutta
OIL, COCONUT—480 tons, Manila
FUEL—100,000 bbls, Standard Oil Co N J, Aruba
PALM—1,381 tons, Belawan
PETROLEUM, CRUDE—70,397 bbls, Standard Oil Co N J, Las Piedras
QUEBRACHO EXTRACT—400 bgs, Mormacwren, Buenos Aires
WAX, BEES—80 bgs, Santos

## Boston Imports

GAMBIER—16 cs, Tandjong Priok
MACE—13 cs, Catz American Co, Macassar
OCHER—130 cks, G Bailly, Marseilles
OIL, FISH LIVER—50 dms, Atlantic Coast Fisheries Export Co, Yokohama
SHELLAC—100 bgs, A Hurst & Co, Calcutta
90 cs, A Hurst & Co, Calcutta
TALC—100 bgs, Whittaker, Clark & Daniels, Marseilles
TANKAGE—560 bgs, Tupman, Thurlow & Co, Auckland
TAPIOCA FLOUR—249 bgs, Irving Trust Co, Batavia
250 bgs, Cheribon
VANILLA BEANS—25 cs, H A Johnson & Co, Marseilles
24 cs, J Burnett Co, Marseilles

## Los Angeles Imports

AMMONIA PHOSPHATE—418,880 lbs, Trail
SULPHATE—181,440 lbs, Trail
BONEMEAL—1,120 bgs, 112,000 lbs, Tientsin
CASSIA, ROLL—6,670 lbs, Hongkong
CINNAMON—5,000 lbs, Colombo
COALTAR PRODUCTS—50 lbs, Yokohama
COCONUT, DESIC—88,000 lbs, Manila
COLORS, CERAMIC—260 lbs, Birmingham
COPRA MEAL—6,480 bgs, 648,000 lbs, Manila
5,000 bgs, 500,000 lbs, Manila
DRUGS—600 lbs, Hongkong
FISH LIVERS—217 tins, 8,680 lbs, Japan
267 tins, 10,680 lbs, Yokohama
52 tins, 2,080 lbs, Japan
GINGER, ROOT—500 lbs, Hongkong
GREASE, LUBRIC—60 lbs, Birmingham
INK—930 lbs, Tokio
240 lbs, Yokohama
LIVER MEAL—31,360 lbs, Buenos Aires
MAGNESIA CARBONATE—3,400 lbs, Newcastle on Tyne
OIL, CHINAWOOD—31,500 lbs, Hongkong
103,500 lbs, Shanghai
CREOSOTE—3,661,200 lbs, Osaka
OLIVE—100 cs, Seville
11,840 lbs, Seville
PEANUT—4,680 lbs, Hongkong
1,440 lbs, Hongkong
SESAME—120 lbs, Hongkong
PALMNUTS, SEEDS—4,000 lbs, Sydney
PAPRIKA—6,600 lbs, Budapest
SIENNA, GRD—6,210 lbs, Leghorn
SOAP, TOILET—420 lbs, London
SODA NITRATE—1,261,900 lbs, Tocopilla
STARCH—500 lbs, Yokohama
TAPIOCA FLOUR—5,410 lbs, Hongkong
TOILET PREPS—500 lbs, London
TUCUM KERNELS—220,000 lbs, Parnahyba

## New Orleans Exports

ACID, STEARIC—19 tons, Havana
ASPHALT—143 tons, Puerto Barrios
CALCIUM ARSENATE—15 tons, Santa Marta
CARBIDE—24 tons, Cristobal
CHINA CLAY—27 tons, Cristobal
COTTON LINTERS—4 tons, Cristobal
GASOLINE—134 tons, Tela; 16 tons, Bluefields
INK—11 tons, Cristobal
KEROSENE—16 tons, Golfito; 22 tons, Quepos; 24 tons, Puerto Barrios; 11 tons, Bluefields
LARD—64 tons, Cristobal; 10 tons, Quepos; 17 tons, Santa Marta; 75 tons, Havana; 47 tons, West Coast, South America
LIME, HYDRATED—158 tons, Armuelles; 13 tons, Cristobal
OIL, COTTONSEED, HYDROGENATED—5 tons, Ceiba
DIESEL—700 bbls, Ceiba
FUEL—46 tons, Golfito; 168 tons, Quepos; 1,000 bbls, Ceiba; 700 bbls, Puerto Cabezas
PINE—178 tons, West Coast, South America
PARAFFIN—27 tons, Cristobal
ROSIN—50 tons, Barranquilla; 29 tons, Cartagena; 15 tons, West Coast, South America
SALT—139 tons, Havana
SODA—20 dms, Puerto Cabezas
TURPENTINE—13 tons, Cristobal

## Norfolk Imports

TAPIOCA FLOUR—306 bgs, Irving Trust Co, Cheribon
447 bgs, Irving Trust Co, Batavia
250 bgs, Chase National Bank, Tjilatjap
500 bgs, Irving Trust Co, Cheribon

## Philadelphia Imports

BAUXITE ORE—2,200 tons, Moengo
250 tons, Port of Spain
2,479 tons, Demerara
COCOA BEANS—8,000 bgs, Lagos
2,987 bgs, Superintendence Co, Lagos
16,000 bgs, Superintendence Co, Accra
1,000 bgs, First National Bank, Accra
3,200 bgs, M Colodetz & Co, Accra
3,200 bgs, Bank of Manhattan, Accra
512 bgs, Standard Bank of South Africa, Accra
1,888 bgs, Standard Bank of South Africa, Winneba
800 bgs, Bank of Manhattan, Winneba
5,600 bgs, Superintendence Co, Winneba
4,000 bgs, Wessels, Kulenkampff & Co, Takoradi
1,600 bgs, Superintendence Co, Takoradi
FLAXSEED—3,490 tons, Buenos Aires
FLUORSPAR—740 tons, Tunis
GINGER ROOT—254 bgs, Freetown
GLYCERIN, SOAP-LYE, CRUDE—260 dms, Montevideo
MACE—14 cs, Macassar
MOLASSES—851,647 gls, E I du Pont de Nemours & Co, Inc, Santiago de Cuba
557,869 gls, E T du Pont de Nemours & Co, Inc, Cienfuegos
OCHRE—600 csks, F B Vandegrift & Co, Marseilles
PETROLEUM, CRUDE—65,905 bbls, Gulf Oil Corp, Las Piedras
30,762 bbls, Gulf Oil Corp, Puerto la Cruz
90,000 bbls, Atlantic Refining Co, Las Piedras
QUEBRACHO EXTRACT—1,400 bgs, Tannin Corp, Buenos Aires
TANKAGE—2,722 bgs, Armour & Co, Montevideo
1,500 bgs, Montevideo

# Exports from U.S. Ports

## Los Angeles Exports

ACETONE—4 dms, 1,430 lbs, Yokohama; 211 dms, 75,540 lbs, Wellington; 1,200 dms, 399,480 lbs, Liverpool
ACID, BORIC—40 cs, 8,960 lbs, Shanghai; 4,100 bgs, 459,200 lbs, Liverpool
CITRIC—9,760 lbs, Shanghai
SULPHURIC—4,550 lbs, Manila
ALCOHOL, BUTYL—120 dms, 44,280 lbs, Wellington
DIACETONE—35 dms, 22,340 lbs, London
ASPHALT—7 dms, 630 lbs, Bombay
SOLID—282 dms, 125,700 lbs, Shanghai
BORATE—10,865 bgs, 1,824,290 lbs, Liverpool
BORAX—1,000 bgs, 112,000 lbs, Hongkong; 2,500 bgs, 275,630 lbs, Shanghai; 2,500 bgs, 275,630 lbs, Shanghai; 19,440 bgs, 2,217,600 lbs, Liverpool; 696 bgs, 77,950 lbs, Wellington; 3,032 bgs, 384,280 lbs, Shanghai
BUTYL ACETATE—220 dms, 86,680 lbs, Wellington; 30 dms, 11,190 lbs, London
CATTLE HOOFS—20,000 lbs, Osaka
CHARCOAL—4,000 lbs, Shanghai
CLAY—110 bgs, 12,200 lbs, Calcutta
FILTER—80 sks, 4,000 lbs, Wellington
COLORS—1,670 lbs, Manila
COTTONSEED—3,000 lbs, La Union
DIATOMACEOUS EARTH—11,211 bgs, 1,109,430 lbs, Liverpool; 224 bgs, 22,400 lbs, London; 203 bgs, 19,520 lbs, Wellington
ETHYL KETONE—73 dms, 26,720 lbs, Wellington
GASOLINE—34,190 bbls, Hongkong; 8,900 bbls, Saigon; 2,250 cs, Manila; 1,610 dms, Manila; 3 dms, Cutuco
GLAUBER'S SALT—700 lbs, Wellington
INK, PRINTING—50 lbs, San Juan
ISOBUTYL KETONE—1 dm, 370 lbs, Wellington
KEROSENE—17,863 bbls, Hongkong; 9,000 bbls, Saigon; 2,000 cs, Manila; 9 dms, Cutuco; 10 dms, Wellington
DISTILLATE—4,189 bbls, Shanghai
LACQUER—2,070 lbs, Manila
PRIMER—780 lbs, Calcutta
THINNER—1,400 lbs, Manila
LUBRICANT—150 lbs, Manila
MEDICINAL PREPS—110 lbs, Cairo; 100 lbs, Manila; 200 lbs, Bombay
METHYLETHYL KETONE—644 dms, 224,040 lbs, London
METHYLISOBUTYL KETONE—32 dms, 11,100 lbs, London
MINERAL ORE—650 lbs, Osaka
NAPHTHA—44 dms, Lisbon
OIL, COTTONSEED—1,540 lbs, Manila
DIESEL—793 bbls, Wellington
FUEL—65,868 bbls, Sasebo; 5,709 bbls, Wellington; 52,270 bbls, Kure
GAS—86,153 bbls, Curacao
LEMON—3,000 lbs, London
LINSEED—2,500 lbs, Ponce
LUBRICATING—45 dms, Bombay; 200 dms, Shanghai; 75 pkgs, Manila; 2,149 bbls, Sasebo; 72 pkgs, Wellington

—Continued on page 56

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# What You Can Use

**Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries**

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Three-hundred-twenty-ninth Instalment

## Paints

### Substances Used as or in Making Colors for Paints

(Continued from May 27 issue)

Indian red
Iron black
Iron blues
Iron oxides
Iron phthalates
Iron reds
Iron-phthalocyanin
Italian blue
Ivory black
Keystone black
King's yellow
Kosmolak black
Kosmos blacks
Kosmovar black
Lacquer blue
Lake colors
Lakoblak
Lampblack
Lead acetate
Lead antimonate
Lead chromate
Lead cyanamide
Lead molybdate
Lead phthalate
Lead tetroxide
Lead tungstate
Leitch's blue
Lime blue
Linsol colors
Litharge
Lithium phthalate
Lithol red toners
Lithopone
Madder
Madder lake
Magnesite
Magnesium nitrate
Magnesium organic peroxides
Magnesium perborate
Magnesium perchlorate
Magnesium persulphate
Mapico colors
Maroon toners
Mercury iodides
Mercury oxides
Metallic brown
Milori blue
Milori green
Mineral black
Molybdated colors
Molybdic acid
Monastral blue
Monastral green
Munich lake
Neospectra black
Nickel oxides
Nitrate green
Nyatomised black
Ochers
Opax
Orange lakes
Oxides
Oxide blacks
Oxide browns
Oxide reds
Para red
Paranitranilin red
Paris blue
Paris green
Peacock blue
Persian gulf oxide
Persian red
Permanent toners
Persian orange
Phosphotungstic acid
Phthalocyanin blue
Phthalocyanin green
Potash blue
Potassium bichromate
Potassium cobalt-nitrite
Potassium ferricyanide
Potassium ferrocyanide
Potassium nitrate
Potassium perborate
Potassium perchlorate
Potassium persulphate
Prussian black
Prussian blue
Prussian green
Purple of cassius
Purple oxide
R-C drop black
Red bole
Red lead
Rinman's green
Rosalic acid
Rose lake
Rose pink
Rottenstone
Rouge
Royal spectra black
Royal yellow
Ruben's brown
Safire blue
Sap brown
Seladonite
Scarlet red
Scheele's green
Schweinfurth green
Sienna, burnt
Sienna, raw
Silicate black
Silver phthalate
Sodium bichromate
Sodium ferricyanide
Sodium ferrocyanide
Sodium molybdate
Sodium nitrate
Sodium perborate
Sodium perchlorate
Sodium persulphate
Sodium-titanium silicate
Soluble blue
Spanish oxide
Spectratex black
Strontium oxide
Strontium white
Surfex
Superba black
Super spectra black
Supertex
Supertone
Tam opax
Tam zircon
Tam zircopax
Tam zirox
Terre verte
Thenard's blue
Thermatonic black
Thermax
Ti bar
Ti cal
Ti dox
Ti oxide
Ti sil
Ti tint
Tidolith
Timonox
Tin oxide
Titanalba
Titanasil
Titanellow
Titanium dioxide
Titanium oxide
Titanium phthalate
Titanium sulphate
Titanium white
Titanolith
Titanox
Tolamite
Toluidin reds
Turkey reds
Turmeric
Turnbull's blue
Turner's yellow
Turquois blue
Tuscon red
Ultramarine blues
Umber, burnt
Unilith
Van Dyke brown
Varcan black
Venetian red
Verdigris
Vermilion
Victorian green
Victoria red
Viridian
Volcano black
Whiting
Wyex
Yellow lake
Zanth
Zinc-chromate
Zinc green
Zinc lead
Zinc oxide
Zinc phthalate
Zinc sulphate
Zinc sulphide
Zinc white
Zinc yellow
Zircon
Zirconium oxide
Zirconium silicate
Zirconium sulphide
Zircopax
Zopaque

### Substances Used as or in Paint Removers

Abrasives
Acetic acid
Acetone
Acetylene tetrachloride
Albacol
Alcohol
Alkali palmitates
Allyl alcohol
Alum
Aluminum palmitate
Aluminum resinate
Ammonium acetate
Ammonium carbonate
Ammonium caseinate
Ammonium chloride
Ammonium hydroxide
Ammonium oxalate
Amyl acetate
Amyl alcohol
Amyl tartrate
Anilin
Ansol PR
Antimony chloride
Antimony oxychloride
Aqua ammonia
Arachidic acid
Bayberry wax
Beeswax
Benzaldehyde
Benzoic acid
Benzyl alcohol
Bentonite
Benzene
Benzene chloride
Benzin
Benzyl acetate
Benzyl alcohol
Benzyl benzoate
Benzyl cresylate
Borax
Butyl alcohol
Butyric acid
Butyrone
Calcium acetate
Calcium hydroxide
Calcium sulphide
Camphor oil
Candellilla wax
Carbon bisulphide
Carbon tetrachloride
Carnauba wax
Casein
Caustic potash
Caustic soda
Cellosolve
Chinawood oil
Chloroform
Chlorinated glycerol
Chlorobenzene
Chloroanilin
Clove oil
Cocoa fat
Cresols
Cresylic acid
Cumine
Cymanol
Denatured alcohol
Det-ter-go
Diatomaceous earth
Dimethyl phthalate
Dioxan
Ethyl acetoacetate
Ethyl butyrate
Ethyl citrate
Ethyl palmitate
Ethylene dichloride
Ethylmethyl ketone
Fish oil
Formic acid
Furfural
Forfuryl alcohol
Gasoline
Heptyl ketone
Hexahydrobenzene
Isobutyl alcohol
Japan wax
Kerosene
Kieselguhr
Lactic acid
Lime soaps
Lye
Magnesium carbonate
Methanol
Methyl ketone
Methyl palmitate

(To be continued)

# Business Wants and Offers

**Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words**
**Payable in advance at 59 John Street, New York**

## Agencies Wanted

EXPORT HOUSE with own offices in principal world centers seeks responsible suppliers of industrial chemicals, intermediaries, pharmaceuticals and allied lines for volume distribution in foreign markets. BOX 878, Oil, Paint and Drug Reporter.

ESTABLISHED FIRM would be interested in selling oils, pigments, chemical specialties or other raw materials in the State of Ohio. BOX 881, Oil, Paint and Drug Reporter.

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 888, Oil, Paint and Drug Reporter.

CHICAGO, CLEVELAND, Kansas City, St. Louis representation desired by established New York chemical company. BOX 389, Oil, Paint and Drug Reporter.

## Equipment Offered

FOR SALE—Two No. 7 and No. 10 Sweetland filters; four 7x5 ft. pebble mills; No. ½ Ball & Jewell rotary cutter; 9x24, 12x30 and 16x40 inch roller mills; Lehmann 16x40 inch 3 roll water cooled inclined roller mill; 3x8 ft. rotary steam tube dryer; No. 30 Devine vacuum shelf dryer; No. 60 Raymond mill; Gruendler 50 H.P. hammer mill; Stedman 42 inch disintegrator; four 900 gal. closed, jack., agitated kettles; 32 inch copper basket centrifugal; 36 inch copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; powder mixers; tablet machines, ½ and 2½ inch, single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

## Equipment Offered

LIQUIDATING — Machinery just purchased from the famous Woolsey Paint Co., Jersey City, N. J.; 24 lead mixers, 50 to 100 gal.; 30 change can tanks, 80 to 135 gal.; 9 in. x 24 in. watercooled roller mill; 3 post mixers; Sharples centrifuge; miscellaneous equipment. Send for complete list. Consolidated Products Co., Inc., 13-18 Park Row, New York, N. Y.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND what you want right in New York City. Pony mixer, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR SALE—Used belt-driven dual inside drum cleaning machine. The Vol-U-Meter Co., Buffalo, New York.

FOR SALE—Three 500-gal. Day jacketed, agitated kettles; one 5 in. x 12 in. Day 3-roller mill; one 500-gal. glass-lined, jacketed, agitated kettle; pebble mills, laboratory to 800 gals.; powder mixers, 100 to 1,500 pounds. Send for latest listings. Brill Equipment Corporation, 183 Varick street, New York City.

JAR MILLS, new, one and four gallons; used 50-gal. porcelain-lined pebble mill; 6 cu. ft. sifter and mixer; 110 cu. ft. dry powder mixer; one No. 3 Rotex screen; one Robinson gyratory screen. Lawler Engineering Company, Durham avenue and L. V. R. R., Metuchen, N. J.

## Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 887, Oil, Paint and Drug Reporter.

WANTED—One lead lined tank about 800 gallon capacity. Must be in good condition. State dimensions, type of construction and best price. BOX 894, Oil, Paint and Drug Reporter.

## Materials Offered

CINCHONA BARK for immediate delivery, in large or small quantities. Price upon request. S. J. M. Holding Corp., 11 West 30th street, New York City.

WE OFFER, below market price, bismuth subcarbonate, bismuth subnitrate, cadmium, citric acid, codliver oil, potassium iodide, Russian mineral oil, and saccharin. All highest specifications in original containers. Quotations upon receipt of definite inquiries. BOX 890, Oil, Paint and Drug Reporter.

## Positions Vacant

PHARMACEUTICAL CHEMIST, Ph.D., with practical experience to direct general production and research of new products. Must be experienced and qualified and have imagination and initiative. State full details, experience, education, past employment, and salary desired. P. O. Box 304, Long Island City, New York.

FOREMAN—Paint factory; must be capable shader, familiar shelf and industrials; factory Philadelphia; a good opportunity for a capable man. Give full information in confidence. BOX 891, Oil, Paint and Drug Reporter.

SOMEWHERE in the paint industry there is a man who has done an excellent job in building sales to both the dealer and industrial trade and who is now qualified to take an active part in the management of a midwestern paint company. You must know trade goods and industrial finishes and how to handle men and important accounts. Our organization is above average, and the opening we have merits the attention of a serious minded ambitious man who has a record of accomplishment, and who wants to forge ahead in the paint industry. We prefer a man between 30 and 40. Give outline business history, past earnings, and complete personal data. BOX 895, Oil, Paint and Drug Reporter.

PHARMACEUTICAL SALES executive, successful hiring, training and directing detail-salesmen. State age, education, past experience, qualifications and salary. P. O. BOX 304, Long Island City, New York.

## Positions Wanted

PYROXYLIN CHEMIST—Five years' responsible experience in manufacturing artificial leather; control, development, plant operation. Age 28. Now employed. Desire similar work or technical service work with suppliers. BOX 879, Oil, Paint and Drug Reporter.

CHICAGO and middle western agent seeks line chemicals, aromatics, essential oils, flavors, or kindred lines. Fifteen years' experience, married, Protestant. Pharmaceutical background. Available at once. BOX 885, Oil, Paint and Drug Reporter.

CHEMIST—Experienced in formulation, research and production of lacquers, enamels, varnishes, synthetic finishes, colors, resins, waxes, oils and other surface coating materials, desires position with progressive firm. BOX 886, Oil, Paint and Drug Reporter.

SALESMAN, with 15 years' experience selling oils, gums, resins, etc., to the paint, varnish, lacquer and allied industries, is desirous of making a change. BOX 892, Oil, Paint and Drug Reporter.

SALESMAN—Detail man, first-class experience in pharmaceuticals, biologicals, and endocrines, wishes connection with reliable firm. Highest type references. BOX 893, Oil, Paint and Drug Reporter.

## Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

## Surplus Stock

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.


**2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.**
**1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.**
**7—3-roll Roller Mills, up to 16 x 40.**
**12—Vacuum Shelf Dryers, all sizes.**
**12—Ball Mills, 10 gal. to 500 gal.**
**1—9 ft. Copper Vacuum Coil Pan**
**1—Laboratory Mikro Pulverizer**
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**1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.**
**1—Zaremba Triple effect Evaporator, 2100 sq. ft. per effect.**
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**1—5 ft. x 22 in. Hardinge Conical Ball Mill.**
***Send for illustrated bulletin.***

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**Very modern plant of AMERICAN SOYA PRODUCTS CO. Evansville, Ind.**
**1,000,000 bbl. Cement Plant CASTALIA PORTLAND CEMENT CO. Castalia, Ohio**
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**IMPORTANT**
**Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.**

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SHOPS 335 Doremus Ave., Newark, N.J.



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FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY


## Los Angeles Exports

*—Continued from page 55*

PAINT—20,660 lbs, Manila
BITUMINOUS—1,380 lbs, Manila
MATERIAL—2,960 lbs, Wellington
PERFUMERY—150 lbs, Manila
POTASH, CAUSTIC—2,000 lbs, Wellington
MURIATE—999,040 lbs, San Juan
SOAP, LAUNDRY—20,000 lbs, Mayaguez; 40,000 lbs, San Juan
SODA, ASH—9,000 lbs, Wellington
NITRATE—112,000 lbs, Shanghai
PHOSPHATE, TRI—3,250 lbs, Wellington
SOLVENT—200 dms, 86,400 lbs, Hongkong
TOILET PREPS—800 lbs, Cairo; 50 lbs, Burma; 170 lbs, San Salvador; 100 lbs, Fort Clayton
VARNISH—2,210 lbs, Manila

## Philadelphia Exports

ALUMINA SULPHATE—220 bgs, Santos
AMMONIA, ANHYD—30 cyls, Rio de Janeiro; 75 cyls, Rio Grande do Sul
BENZOL, REFD—10 dms, Pernambuco
CEMENT, RUBBER—6 cs, Buenos Aires
DYESTUFFS—152 dms, 25 bxs, 94 pls, Oporto
GASOLINE—300 cs, Santos
GREASE, LUBRIC—100 pls, 75 cs, 20 dms, 11 bbls, Santos; 60 pls, 66 cs, Rio de Janeiro; 10 cs, 1 bbl, Rio Grande do Sul; 2 dms, San Thome; 2 bxs, Buenos Aires
HYDROSULPHITE—4 pls, 10 dms, Oporto
KEROSENE—300 cs, Santos
OIL, LINSEED—30 dms, Lisbon
LUBRICATING—1,638 cs, 789 dms, Santos; 1,055 cs, 685 dms, Rio de Janeiro; 75 dms, 105 cs, Pernambuco; 94 dms 950 cs, Rio Grande do Sul; 165 dms, Montevideo; 396 bbls, 281 dms, Lisbon; 30 cs, 20 dms, San Thome; 153 bbls, 25 dms, 342 cs, Leixoes
MINERAL—11 dms, 61 cs, Buenos Aires; 10 dms, Lisbon
PAINT—29 cartons, Lisbon
PARAFFIN—20 cs, Santos; 40 cs, Rio de Janeiro; 155 cs, Paranagua; 360 cs, Rio Grande do Sul
CRUDE—155 bbls, Santos; 200 bgs, Leixoes
TURPENTINE SUBSTITUTE—16 dms, Santos; 200 cs, Rio Grande do Sul
VALVE GRINDING COMP—4 cs, Buenos Aires


AVAILABLE FOR EXPORT
**TOLUOL—PHENOL—ACETONE—HYDROSULPHITE OF SODA**
**BICHROMATES: SODIUM, POTASSIUM**
*and other*
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## Coastwise Shipments

### Los Angeles Coast Trade

GASOLINE—52,516 bbls, Seattle; 70,471 bbls, Portland; 57,000 bbls, Seattle; 3,662 bbls, San Diego; 74,040 bbls, Avon; 5,160 bbls, San Diego; 3,000 bbls, Seattle; 14,722 bbls, San Diego; 33,925 bbls, Seattle
KEROSENE—1,990 bbls, Portland
DISTILLATE—6,500 bbls, Seattle
OIL, DIESEL — 26,129 bbls, Seattle; 15,900 bbls, Seattle; 21,292 bbls, Seattle; 9,473 bbls, Portland; 6,500 bbls, Seattle; 5,980 bbls, Seattle; 4,399 bbls, San Diego
FUEL — 1,325 bbls, Seattle; 29,442 bbls, Seattle; 55,372 bbls, Portland; 2,426 bbls, Portland; 49,024 bbls, Portland; 68,015 bbls, Avon; 69,300 bbls, San Diego; 67,608 bbls, Oleum; 12,401 bbls, San Diego
FURNACE—3,600 bbls, Portland; 1,941 bbls, Seattle
SOLVENTS—1,507 bbls, Portland.

**Signode Steel Strapping** Company, Chicago, has just issued a bulletin, "Cardoor Bracing Solid Carloads with Signode Anchor Strapping," telling how to carry out the "packaged" idea.

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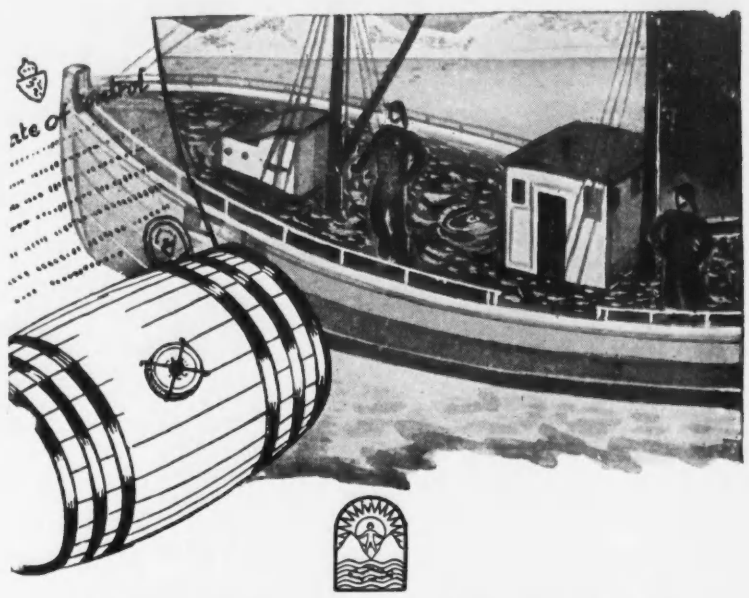

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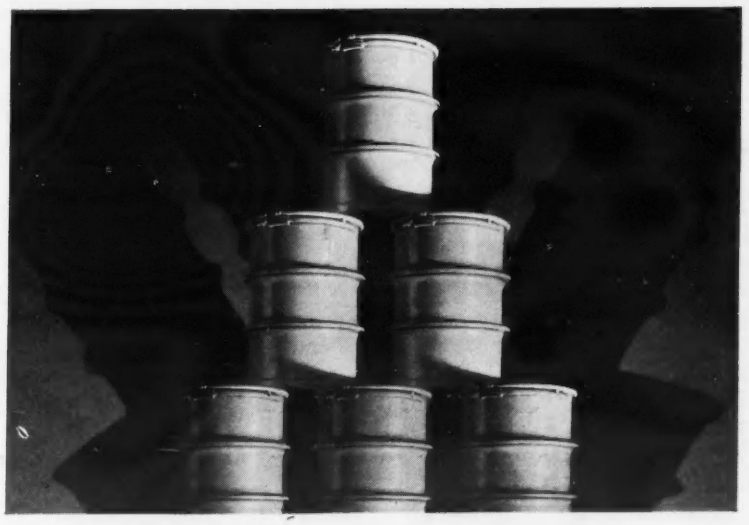

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